





WE ARE RGF®

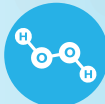
## REME HALO® Whole Home or Building Air Purification System

The REME HALO® utilizes RGF's patented REME® Cell technology with UV-C light to create low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold.

The REME HALO® in-duct air purifier actively reduces pollutants at the source ensuring excellent indoor air quality.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



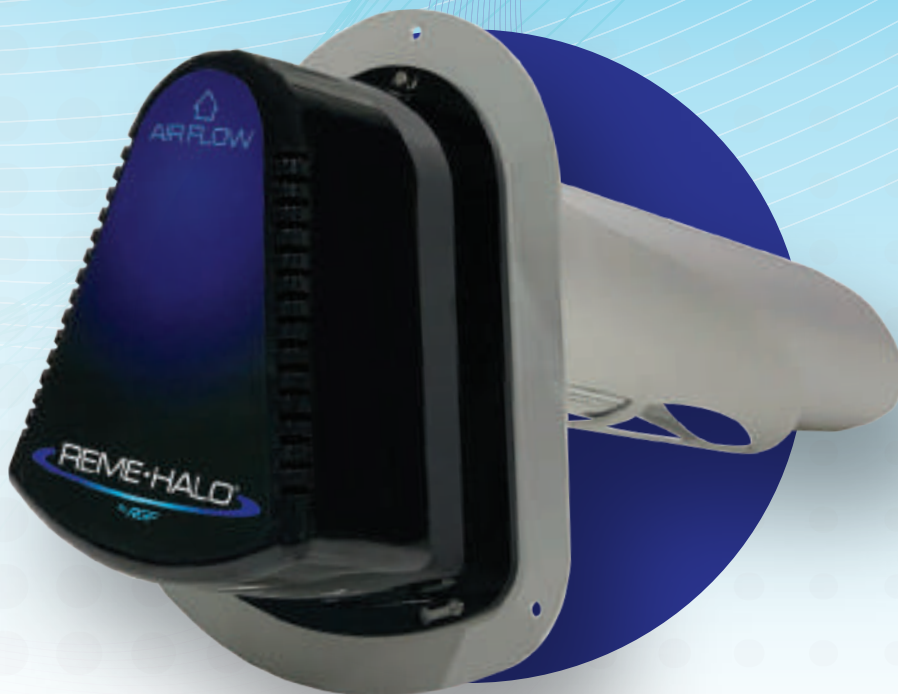
WHOLE  
HOME



QUICK  
RELEASE



IONIZATION



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ENVIRONMENTAL GROUP, INC.

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## Why use RGF's REME HALO®?

The REME HALO® utilizes RGF's patented REME® Cell technology to recreate nature's process of purifying the air. When installed into the existing air conditioning or heating system air ducts, the REME HALO® produces airborne Hydrogen Peroxide that is distributed through the HVAC system and into the conditioned living space. Unlike passive air technologies, which need pollutants to pass through the unit for purification or filtration, the REME HALO® actively purifies pollutants at the source. The ion generators are used to restore the natural levels of ions in the conditioned space, reducing airborne particulate such as pollen, dust, and smoke. This is done to accelerate the agglomeration of the airborne particles making them easier to capture in filters. The combination of Photohydroionization® and ionization in the REME HALO® provides the most advanced means for inactivating all types of air and surface microbial hazards and reducing airborne particulates.

## REME HALO® Whole Home or Building Air Purification System



ITEM#	REPLACEMENT CELL	ELECTRICAL	DIMENSIONS	SHIP WT.
REME-H	PHIC-RH	24 VAC/DC	13.80"L x 6.50"W x 7.40"H Probe 11" / Plate 6.50" x 7.50"	6 lbs
		0.7 Amps 17 Watts	350.5 mm x 165.1 mm x 188.0 mm Probe 279.4 mm / Plate 165.1 mm x 190.5 mm	2.72 kg

### MATERIALS

Aluminum / Polymers

### HVAC BLOWER SIZE

800 to 2,400 CFM (1359.2 m³/h – 4077.6 m³/h)

### CELL REPLACEMENT

Recommended after 2 years

### WARRANTY

5 year U.S. and Canada  
(1 year international)



Tested according to:  
UL 1598:2021/R:2021-06  
CSA C22.2 No. 250.0:2021/U1:2021-06  
Conforms to:  
UL 60335-2-40

Approved for sale in California

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## REME HALO®Zero Whole Home or Building Air Purification System

REME HALO®Zero utilizes RGF's proprietary aGHP-Cell™ technology to create low level, airborne Gaseous Hydrogen Peroxide (aGHP®) throughout the air-conditioned space reducing bacteria, viruses, odors, and mold along with allergens and dust at the source.

REME HALO®Zero in-duct air purifier is verified Zero Ozone to the UL 2998 standard.



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## Why use RGF's REME HALO®Zero?

RGF is a leading manufacturer of Indoor Air Quality (IAQ) devices with a long history of innovation, testing and validation. REME HALO®Zero can be installed in any HVAC system to improve air quality throughout the air conditioned space. Verified Zero Ozone to UL 2998, REME-HALO®Zero continuously operates in your air conditioning system to reduce airborne pollutants.

## REME HALO®Zero Indoor Air Purification System



ITEM#	REPLACEMENT CELL	ELECTRICAL	DIMENSIONS	SHIP WT.
ZERO-H4-AC	PHIC-RH-3	24 VAC, 17 Watts	13.80"L x 6.50"W x 7.40"H Probe 11" / Plate 6.50" x 7.50"	6 lbs
			350.5 mm x 165.1 mm x 188 mm Probe 279.4 mm / Plate 165.1 mm x 190.5 mm	2.72 kg

### MATERIALS

Aluminum / Polymers

### HVAC BLOWER SIZE

800 to 2,400 CFM (1359.2 m<sup>3</sup>/h –4077.6 m<sup>3</sup>/h)

### CELL REPLACEMENT

Recommended after 2 years

### WARRANTY

5 year limited U.S. and Canada  
(1 year international)



Tested according to:  
UL 1598:2021/R:2021-06  
CSA C22.2 No. 250.0:2021/U1:2021-06  
Conforms to:  
UL 60335-2-40



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## HALO-LED® Whole Home Air Purification System

HALO-LED® whole home in-duct air purifier uses our revolutionary REME-LED® technology to help protect your air conditioned space. The HALO-LED® is zero ozone certified and provides a longer product life with improved energy efficiency. Easily installed in new or existing air conditioning system ductwork, the HALO-LED® actively reduces airborne bacteria, viruses, odors, mold and allergens ensuring excellent indoor air quality.



LED UV



LONG LIFE  
CELL



HYBRID  
CATALYST



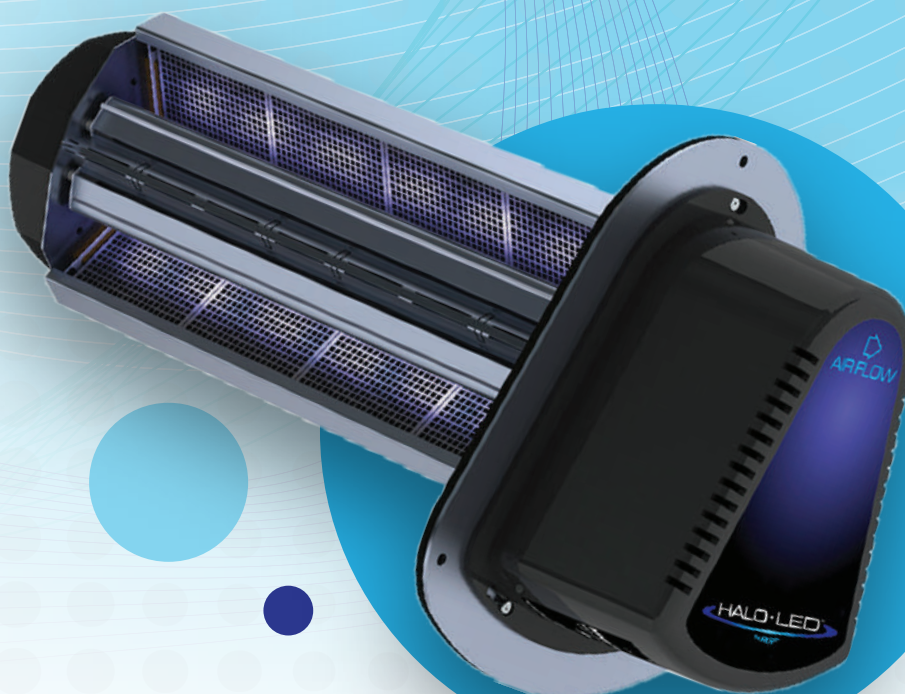
H<sub>2</sub>O<sub>2</sub>



ZERO  
OZONE



WHOLE  
HOME



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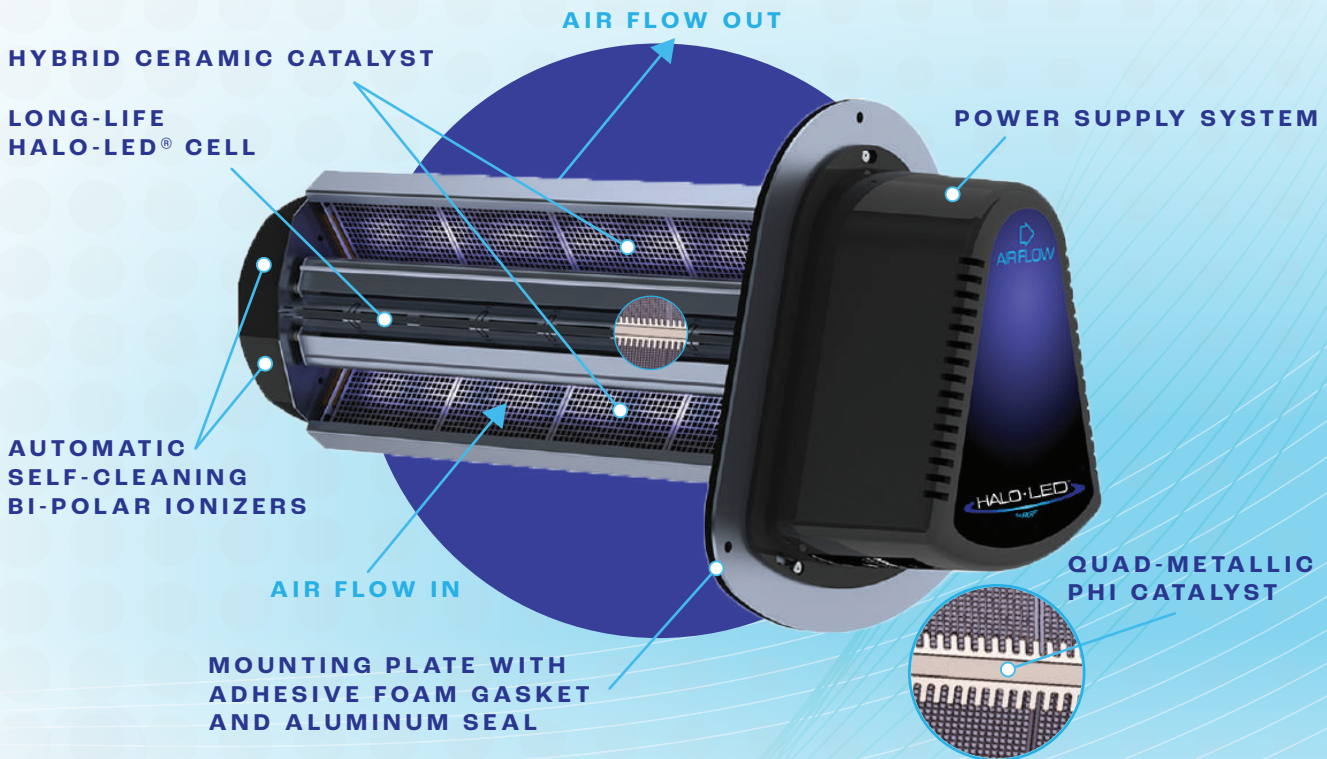
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## Why Use RGF's REME® Technology?

The HALO-LED® is the industry's first LED in-duct, whole home and building air purification system that is both mercury free and zero ozone compliant. The HALO-LED® proactively treats the air-conditioned space, reducing airborne and surface contaminants and pollutants. By combining REME-LED® UV technology along with RGF's proven PHI-CELL® and REME® technologies, the HALO-LED® provides revolutionary indoor air purification.

## HALO-LED® Whole Home Air Purification System



**NOTICE TO INSTALLER:** This unit must be wired in series with the blower to cycle on/off with the blower. This installation is required in order to be in compliance with new safety standards and to ensure maximum energy efficiency and LED module service life.

ITEM#	REPLACEMENT CELL	ELECTRICAL	DIMENSIONS	SHIP WT.
REME-LED	PHIC-REME-LED	24 VAC/DC	14.25"L x 6.50"W x 7.50"H Probe 11" / Plate 6.50" x 7.50"	6.4 lbs
		0.7 Amps 17 Watts	362.5 mm x 165.1 mm x 190.5 mm Probe 279.4 mm / Plate 165.1 mm x 190.5 mm	2.90 kg

### MATERIALS

Aluminum / Polymers

### HVAC BLOWER SIZE

800 to 2,400 CFM (1359.2 m³/h – 4077.6 m³/h)

### WARRANTY

7 years U.S. and Canada  
(1 year international)

### CELL REPLACEMENT

Recommended after 4.5 years



UL 1598:2021 Ed.5  
CAN/CSA C22.2  
No.250.0:2021

EPA Registration No. 067400-FL-001 | Approved for sale in California



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## RGF® IAQ SERIES KITS

The RGF IAQ Series kits combine our flagship whole-home air purification products into a single offering. Three different kits have been developed with the end user in mind to address a variety of air purification needs. All Series kits feature the HALO Connect™ control module, providing power and visual indication of lamp and cell replacement for all connected RGF devices.

- Series I Lucidium® kit features patented BLU QR® UV stick lights to keep the air conditioning coil clean and system operating efficiently
- Series II REME HALO® Zero kit combines Series I coil sanitation technology with the power of RGF's REME HALO® Zero whole-home air purifier
- Series II HALO LED® kit combines Series I coil sanitation technology with the commanding, long-life HALO LED® whole-home air purifier



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## HALO Connect™ Power Module

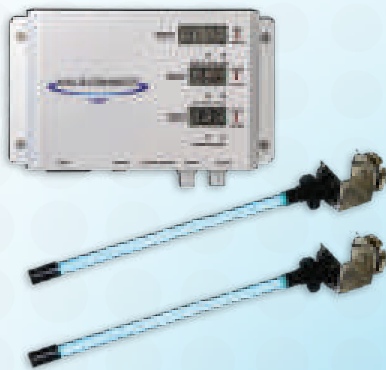
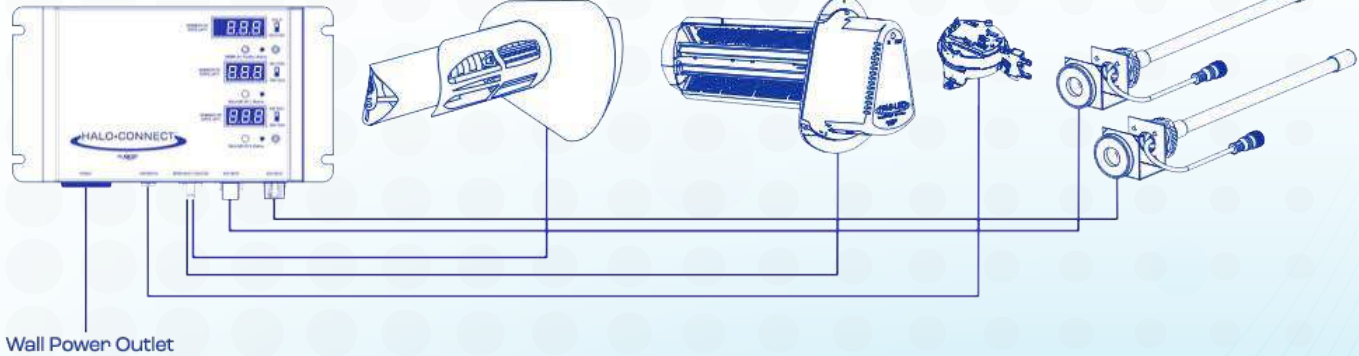
120–240VAC / 0.4-0.28A

REME HALO®Zero

HALO LED®

HALO LED® Air Switch

Dual BLU QR® UV Lamps



### Series I

#### Coil Sanitation



Clean evaporator coils maximize your air conditioning system's performance by improving system efficiency, reducing maintenance and improving indoor air quality. The Series I Lucidium® kit includes two (2) BLU QR® UV Stick Lights and RGF's HALO Connect™ power module.

ITEM#	WARRANTY	TECHNOLOGY	REPLACEMENT LAMP
RGF-SER-1	2 years (U.S. only)	UV-C Light	PHIC-IAQ-SER-1



### Series II Reme HALO®Zero

#### Coil Sanitation & Air Purification



Elevate your indoor air quality and system operation to full potential with the Series II REME HALO®Zero air purification kit. Installed in the air conditioning system, REME HALO®Zero improves air quality throughout your whole home, reducing bacteria, viruses, mold, and odor. The comprehensive Series II REME HALO®Zero Air Purification kit includes two (2) BLU QR® UV Stick Lights, REME HALO®Zero and RGF's HALO Connect™ power module.

ITEM#	WARRANTY	TECHNOLOGY	REPLACEMENT LAMP
RGF-SER-2-RH	5 years (U.S. only)	UV-C Light / aGHP-Cell™	PHIC-IAQ-SER-2-RH



### Series II HALO LED®

#### Coil Sanitation & Air Purification



Experience the pinnacle of indoor air quality and system efficiency with the Series II HALO LED® air purification kit. Revolutionary LED UV Light technology reduces bacteria, viruses, odor, mold, allergens and dust throughout your air-conditioned living space. The comprehensive Series II HALO LED® Air Purification kit includes two (2) BLU QR® UV Stick Lights, HALO LED® and RGF's HALO Connect™ power module.

ITEM#	WARRANTY	TECHNOLOGY	REPLACEMENT LAMP
RGF-SER-2-LED	5 years (U.S. only)	UV-C Light / REME LED®	PHIC-IAQ-SER-2-LED

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## HALO Connect™ Power Module

Designed with the end user in mind, RGF has engineered HALO Connect™ to simplify the installation and enhance the usability of RGF devices. Once in place, HALO Connect™ acts as a centralized control hub and power source for all connected RGF whole-home air purification devices.

The HALO Connect™ facilitates power connections for a REME HALO®, REME HALO®Zero, or HALO LED® in addition to two (2) additional Lucidium® BLU QR® coil sanitizing UV-C lights. HALO Connect™ also features an illuminated countdown day timer for each connected device, offering a clear visual indication of the days remaining before a recommended cell or lamp replacement is needed.



WHOLE  
HOME



MAGNETIC



QUICK  
RELEASE



COUNTDOWN  
TIMER



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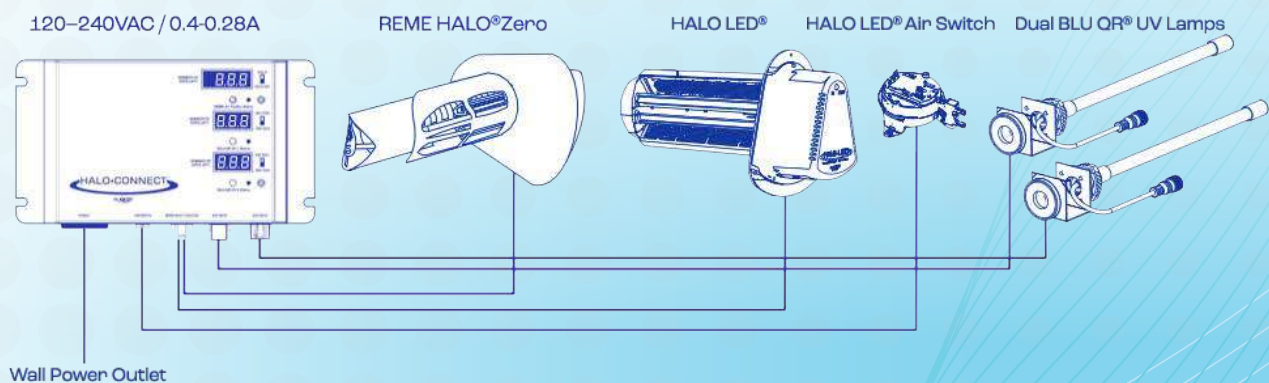


# Why use RGF's HALO Connect™?

HALO Connect™ eliminates the guesswork associated with cell replacements for any connected RGF whole-home air purification devices. HALO Connect™ is equipped with toggle switches, enabling the selection of device-specific time settings for accurate maintenance reminders.

With its modular design, HALO Connect™ simplifies the installation process for all RGF whole-home air purification devices. Serving as the central power supply for all connected devices, it guarantees enhanced reliability and consistent performance throughout the lifespan of your air purification system.

## HALO Connect™ Power Module



ITEM#	WARRANTY	ELECTRICAL	DIMENSIONS
HALO-CNCT	2 years (U.S. only)	120–240VAC / 0.4-0.28A	7.5" x 4.75" x 1.5"

### DEVICES POWERED

BLU QR® / REME HALO® / REME HALO®Zero / HALO LED®

### MATERIALS

Aluminum / Magnetic mount



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## BLU QR® UV Stick Light

Keeping your HVAC coils clean from mold and mildew growth is easy with RGF's patented, high quality BLU QR® UV stick light! The BLU QR® features our exclusive quick-release lamp, which requires no tools for the lamp replacement. It comes standard with four easy-to-install mounting options right in the box, including the magnetic mount, through panel mount, bracket mount and direct mount. A 'Day Timer' is included on the BLU QR® ballast to provide visual indication of UV lamp life.



UV-C LIGHT



MAGNETIC



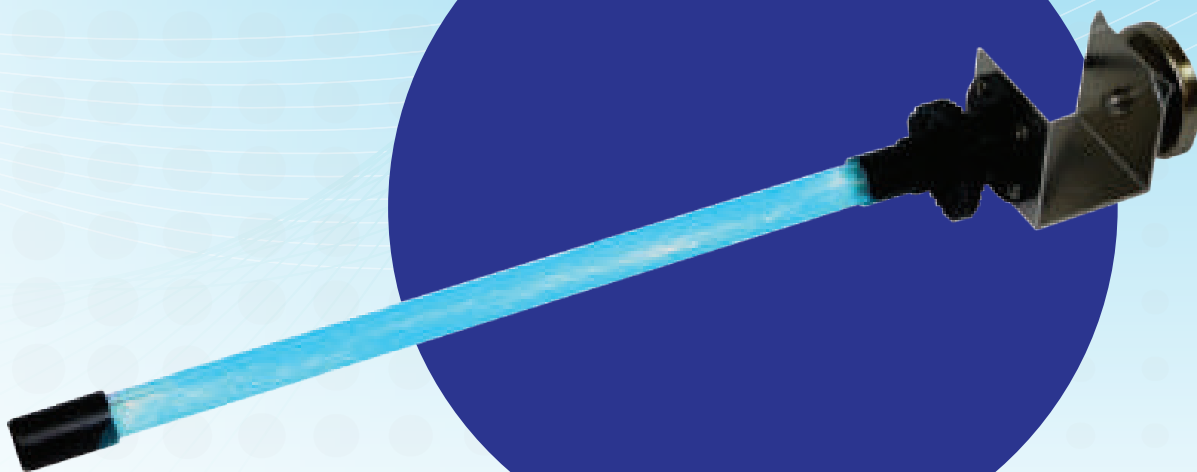
COIL MAINT.



QUICK  
RELEASE



COUNTDOWN  
TIMER



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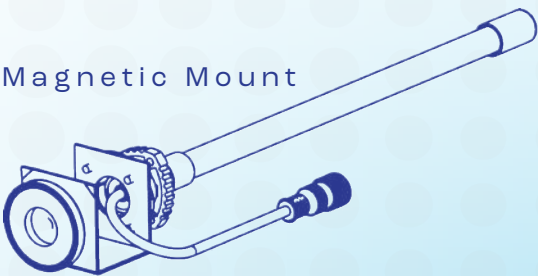


## Why use RGF's BLU QR®?

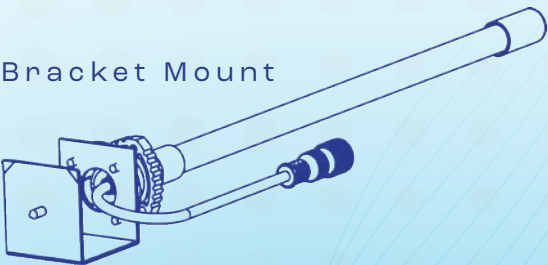
The patented BLU QR® economically provides UV light disinfection and protection to the AC coil surfaces from mold and mildew growth. This results in a cleaner and more efficient energy-saving air conditioning system. Available with 1 or 2 year lamp options. Both models come standard with RGF's Countdown Day Timer that provides visual indication when UV lamp replacement is needed.

## BLU QR® UV Stick Light mounting options

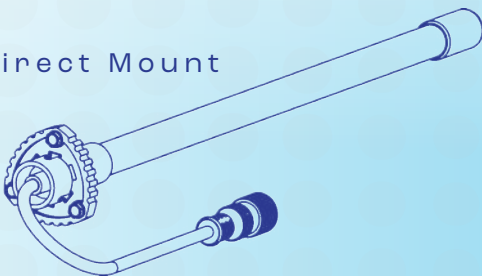
Magnetic Mount



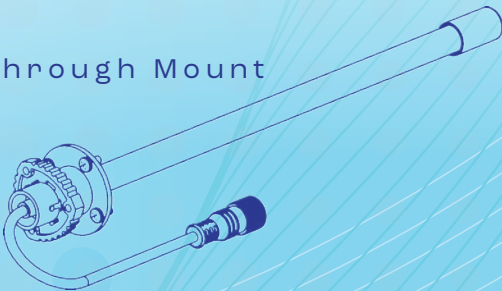
Bracket Mount



Direct Mount



Through Mount



Day Timer Ballast



ITEM#	REPLACEMENT CELL	CELL REPLACEMENT	WARRANTY	SHIP WT.
BLU-QR	BQR+141Y	Recommended after 1 year	1 year U.S. and Canada (1 year international)	1 lbs
BLU-QR2	BQR+142Y	Recommended after 2 years	2 year U.S. and Canada (1 year international)	0.45 kg

### MATERIALS

Aluminum / Polymers

### ELECTRICAL

24 VAC 0.65 Amps 15 Watts

### DIMENSIONS

18"L x 3"W x 3"H  
457.2 mm x 76.2 mm x 76.2 mm



Tested according to:  
UL 1598:2021/R:2021-06 CSA C22.2 No.250.0:2021/U1:2021-6  
EN 60335-2-65:2003/A12:2022  
EN 60335-1:2012/A15:2021  
EN 62233:2008  
Conforms to:  
UL 60335-2-40 Ignitability Requirements



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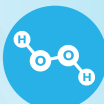
## The PHI-PKG® Air Purification System

The PHI-PKG® package unit uses RGF's patented Photohydroionization® (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, and mold.

PHI-PKG® package units are designed specifically for use in residential and commercial applications. They utilize adjustable magnetic feet with vibration dampers to attach without fasteners to the HVAC blower unit or PKG-Rack® System, making installation fast and simple. PHI-PKG® package units are available with 5", 9", and 14" PHI-CELL® lamps.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



MAGNETIC

### Ideal for use in:



SCHOOLS



RESTAURANTS



OFFICES



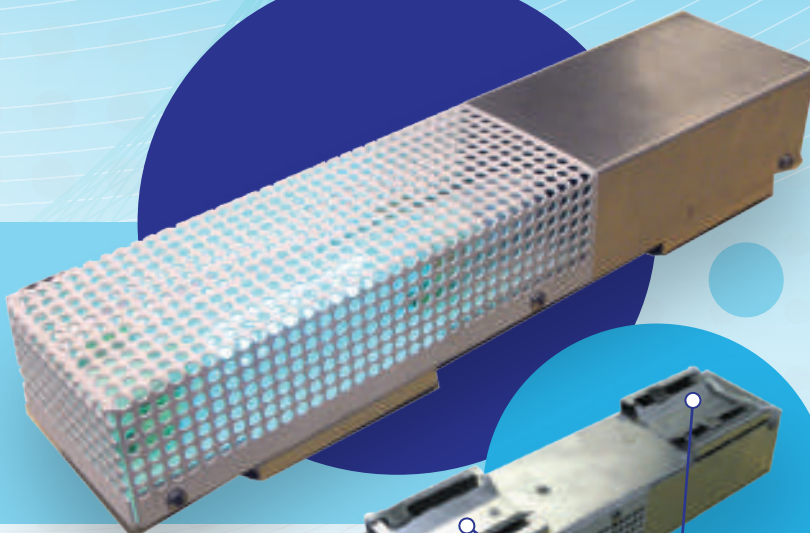
HOMES



ROOF TOP  
HVAC UNITS



HOTELS



Self-adjusting magnetic feet  
with vibration dampeners



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## Why Use RGF's PHI-CELL® Technology?

Photohydroionization® (PHI) is an active air treatment technology. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in occupied areas.

RGF's patented PHI-CELL® technology combines a photocatalytic process and a multiwavelength UV source to create active air purification. The combination of UV-C light and a hydrated quad-metallic catalyst drives a reaction that produces low level, airborne hydrogen peroxide. RGF's PHI-CELL® air treatment systems are operating safely in over four million installations globally.

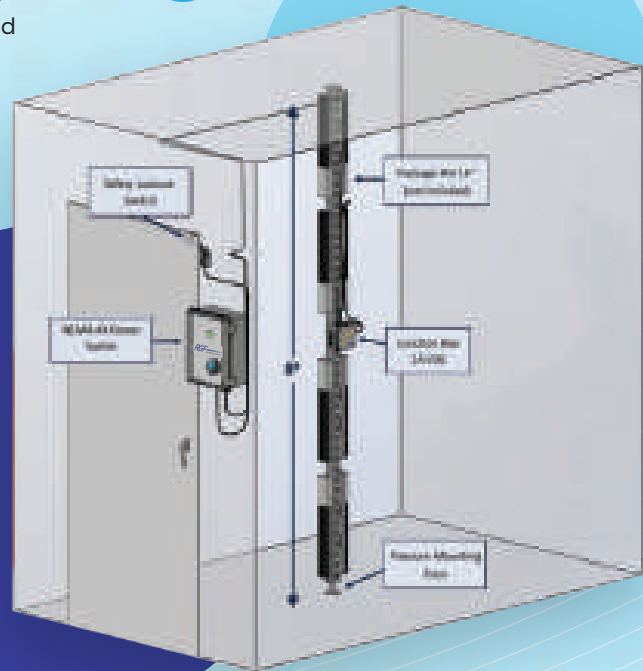
## PKG-Rack® Systems

RGF's new PKG-Rack® systems are often used for commercial installations where several PHI-PKG® package units are required. Multiple package units are quickly and easily installed using the PKG-Rack® system\*. PKG-Rack® systems provide convenient installation for up to 32 PHI-PKG® units.

Racking the PHI-PKG® package units offers customers the ability to add active air purification to the largest commercial air handlers. See PKG-Rack® specification sheet for more information.

\* Unistrut not supplied

\* PKG-Rack® Part #: CUV-PPS-Kit



ITEM#	HVAC BLOWER SIZE	TONNAGE	AMPS	DIMENSIONS	SHIP WT.
PHI-PKG5-24V	375* - 1,200 CFM 424.7527 m³/h - 2038.813 m³/h	Up to 3.5 ton	0.48	2.25" W x 10.5" L x 1.75" D 57.15 mm x 266.7 mm x 44.45 mm	1 lb. 0.45 kg
PHI-PKG9-24V	1,200 - 3,000 CFM 2038.81 m³/h - 5097.03 m³/h	3.5 to 7.5 ton	0.70	2.25" W x 13.5" L x 1.75" D 57.15 mm x 342.9 mm x 44.45 mm	1 lb. 0.45 kg
PHI-PKG14-24V	3,000 - 8,000 CFM 5097.03 m³/h - 13592.09 m³/h	7.5 and 20 ton	0.70	2.25" W x 18.5" L x 1.75" D 57.15 mm x 469.9 mm x 44.45 mm	2 lbs. 0.90 kg

\*INSTALL UNIT IN CONJUNCTION WITH AN HVAC SYSTEM UTILIZING A MINIMUM AIR VOLUME OF 375 CFM.

Approved for sale in California

### MATERIALS

Aluminum housing

### PHI-CELL® REPLACEMENT

Recommended after 2 years

### WARRANTY

2 years U.S. and Canada  
(1 year international)

### ELECTRICAL

24 VAC

### INSTALLATION

Installed in the HVAC supply

### HYDROGEN PEROXIDE DISTRIBUTION

Distributed through HVAC duct work



Tested according to:  
UL 1598:2021/R:2021-06  
CSA C22.2 No.250.0:2021/U1:2021-6  
EN 60335-2-65:2003/A12:2022  
EN 60335-1:2012/A15:2021  
Conforms to:  
UL 60335-2-40

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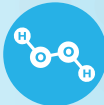
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## The PIP-MAX® Portable Air Purification System

The PIP-MAX® portable air purification system utilizes RGF's patented REME-HALO® technology reducing airborne and surface bacteria, viruses, odors, and mold. Plugging directly into the existing wall outlet, the PIP-MAX® can be installed in any room and offers an additional power outlet on the unit housing. Quickly and reliably resolve all your air quality issues with the portable PIP-MAX® active air purification system.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



PRE-FILTER



CFM



IONIZATION

### Ideal for use in:



CLASSROOMS



DAYCARES



CONFERENCE  
ROOMS



RESTAURANTS



BATHROOMS



BOATS



HOTELS



OFFICES



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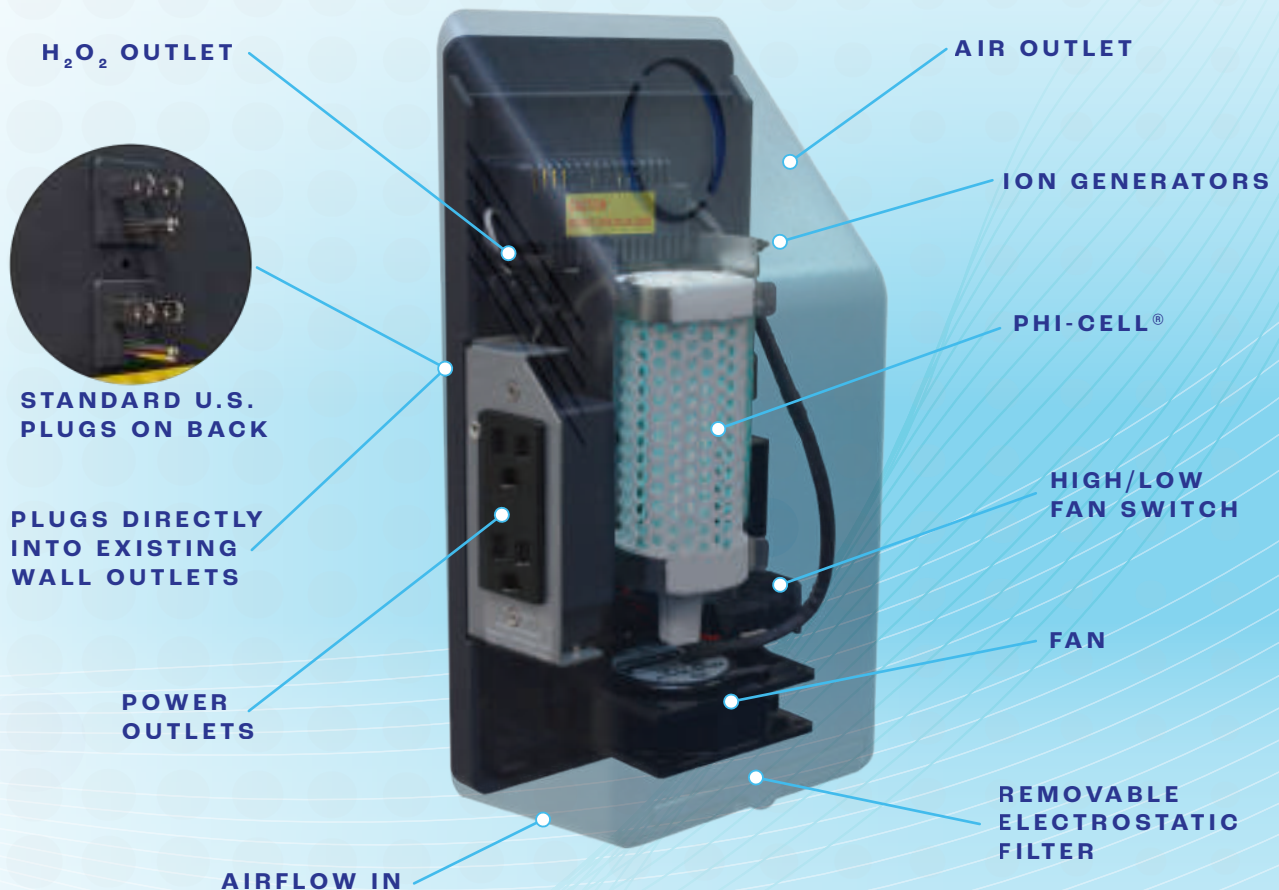
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## Why Use RGF's REME HALO® Technology?

The PIP-MAX® utilizes RGF's patented REME HALO® active air treatment technology to substantially reduce airborne and surface bacteria, viruses, odors, mold and VOCs (chemical odors). Active air treatment is the process of reducing air and surface contaminants by recreating and distributing natural levels of hydrogen peroxide in occupied areas. The ion generators are used to restore the natural levels of ions in the conditioned space, reducing airborne particulate such as pollen, dust, and smoke. This is done to accelerate the agglomeration of the airborne particles making them easier to capture in filters.

## PIP-MAX® Portable Air Purification System



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
PIP-MAX	PHIC-PIP-GA-MAX	120 VAC	50	6.25"L x 3.75"D x 10"H 158.8mm x 95.3mm x 254mm	2 lbs. 0.9 kg.

### MATERIALS

Aluminum / Polymers

### COVERAGE

Up to 800 ft<sup>2</sup> (75 m<sup>2</sup>)

### PHI-CELL® REPLACEMENT

Recommended after 2 years

### REPLACEMENT PRE-FILTER

FL-PIP-01

### WARRANTY

2 years U.S. and Canada  
(1 year international)



Tested according to:  
CSA C22.2 No.187.2020  
UL 867:2011/R:2021-08

Approved for sale in California



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## RGFClear Sky® Self-Cleaning Ion Generator

The RGFClear Sky® continuous self-cleaning ion generator was developed to reduce airborne particulate inside the air-conditioned living space. The charged ions created by the RGFClear Sky® help agglomerate fine airborne particulate like dust and allergens into larger particles that are more easily filtered by the air conditioning system.



QUICK  
RELEASE

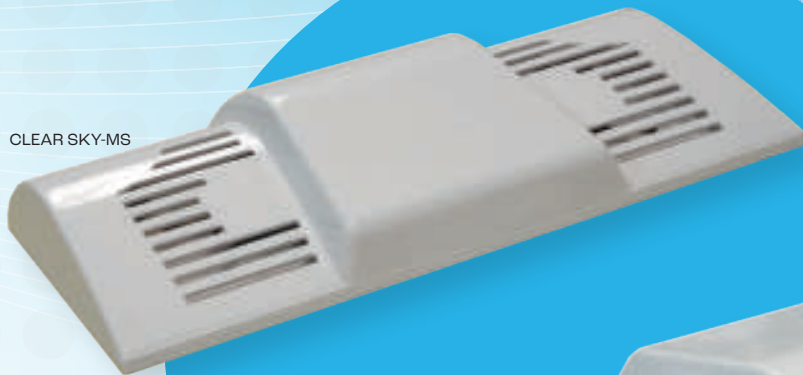


MAGNETIC



IONIZATION

CLEAR SKY-MS



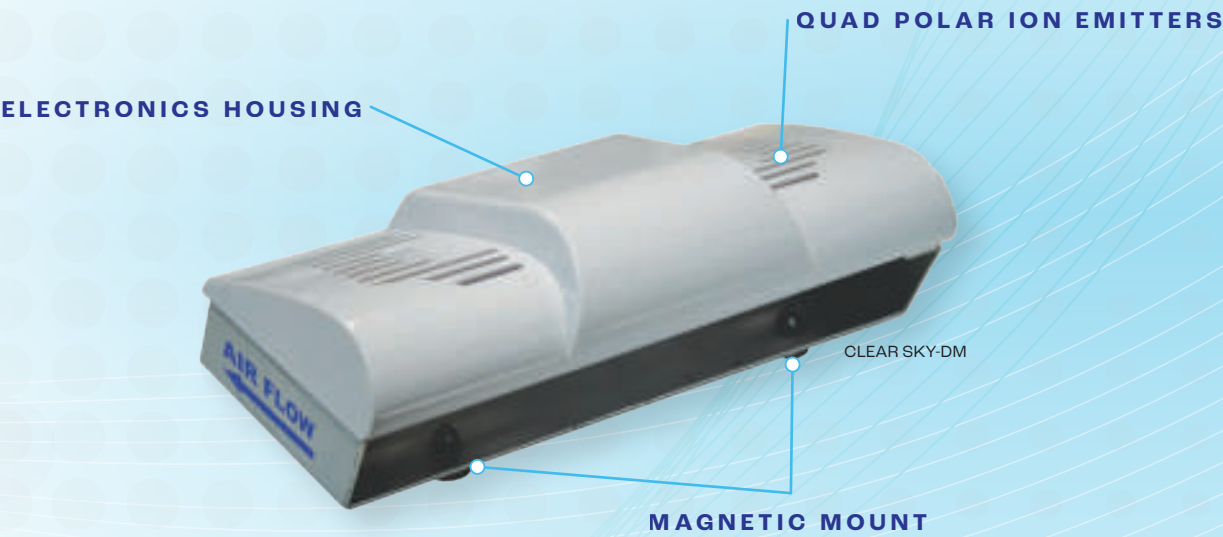
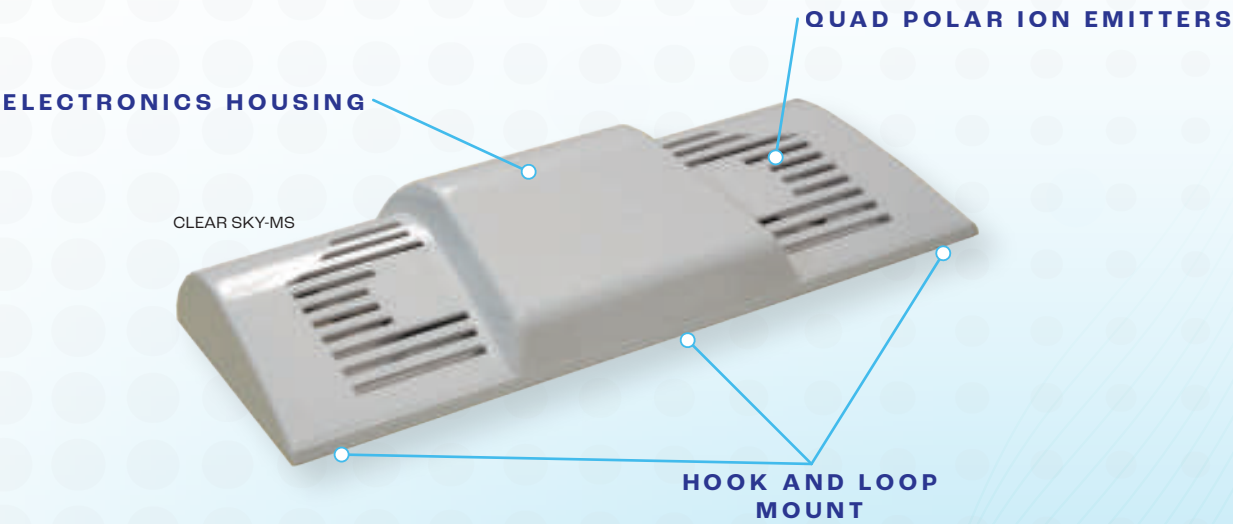
CLEAR SKY-DM



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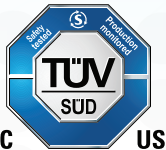
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# RGFClear Sky® Self-Cleaning Ion Generator



MODEL	TONNAGE	DIMENSIONS	ELECTRICAL	SHIP WT.
CLEAR SKY-MS (Mini split)	Air flows from standard mini-split units	7"L x 3.5"W x 1.5"H 177.8mm x 88.9 mm x 38.1mm	100-277 VAC	1 lbs. 0.45 kg.
CLEAR SKY-DM (Duct mount)	Up to 6 tons	7"L x 4"W x 2.75"H 177.8mm x 101.6 mm x 69.85mm	24 VAC	1 lbs. 0.45 kg.

**WARRANTY**  
4 year U.S. and Canada  
(1 year international)



Tested according to:  
CSA C22.2 No.187.2020  
UL 867:2011/R:2021-08  
EN 60335-2-65:2003/A12:2022  
EN 60335-1:2012/A15:2021  
EN 62233:2008  
Conforms to:  
UL 60335-2-40



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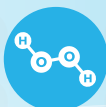
## The PHI-MSP Mini Split Air Purification System

The PHI-MSP mini split air purification system uses RGF's patented Photohydroionization® (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, and mold spores.

The PHI-MSP is easily mounted onto mini split AC units without modification by using hook-and-loop adhesive strips. The PHI-MSP installs into any 100-277 VAC power supply.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>

### Ideal for use in:



HOMES



OFFICES



CONFERENCE  
ROOMS



RESTAURANTS



HOTELS



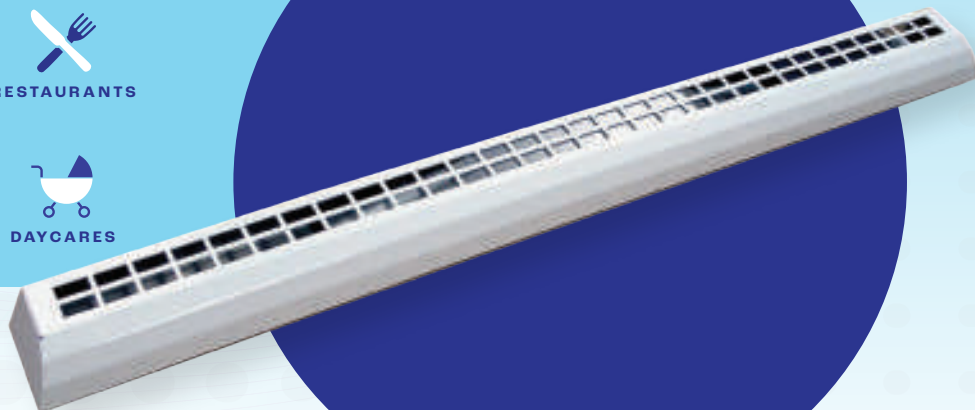
BOATS



CLASSROOMS



DAYCARES



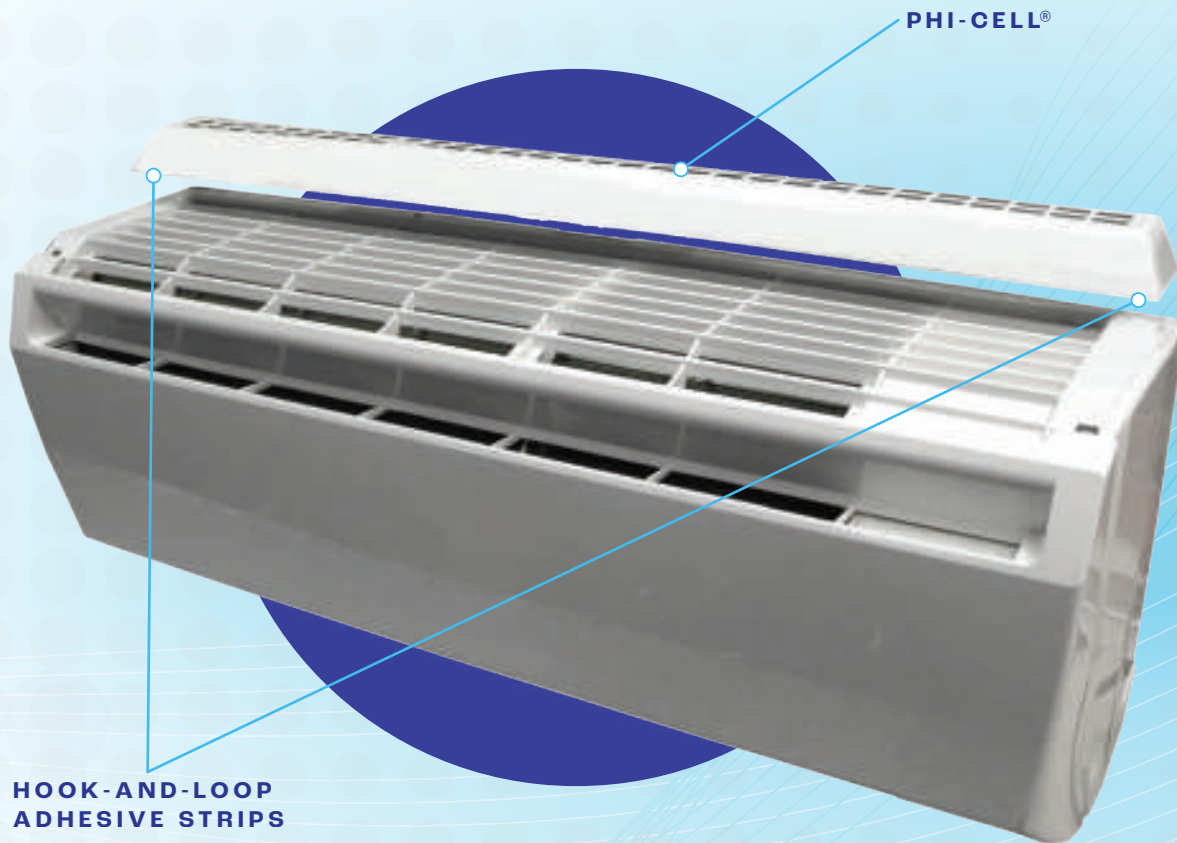
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ENVIRONMENTAL GROUP, INC.

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## Why Use RGF's PHI-CELL® Technology?

Photohydroionization® (PHI) is an active air treatment technology. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in occupied areas.

### PHI-MSP Mini Split Air Purification System



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
MINI SPLIT-HVAC-PHI-110	PHIC-5MS-GA	110 VAC	13.2	30"W x 1.25"H x 2.5"D	3 lbs.
MINI SPLIT-HVAC-PHI-230	PHIC-5MS-GA	230 VAC	9	762mm x 31.8mm x 63.5mm	1.36 kg.

#### MATERIALS

Aluminum / Polymers

#### HVAC BLOWER SIZE

250 – 2,000 CFM (424.75 m<sup>3</sup>/h – 3398.02 m<sup>3</sup>/h)

#### CELL REPLACEMENT

Recommended after 2 years

#### WARRANTY

2 year U.S. and Canada  
(1 year international)



UL 1598:2008 (3rd Edition)  
CAN/CSA C22.2  
No.250.0:2008



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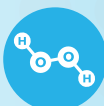
WE ARE RGF®

## The AVID AIR® Air Purification System

The AVID AIR® wall mount air purification system provides efficient airborne and surface bacteria, viruses, odors, and mold reduction. The AVID AIR® unit mounts flush into a wall or ceiling providing an effective, concealed and tamper-proof air purifier for commercial applications.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



PRE-FILTER



CFM

### Ideal for use in:



CLASSROOMS



DAYCARES



CONFERENCE  
ROOMS



RESTAURANTS



BATHROOMS



HOTELS



LOCKER  
ROOMS



OFFICES



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ENVIRONMENTAL GROUP, INC.

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## Why Use RGF's PHI-CELL® Technology?

The AVID AIR® utilizes RGF's patented Photohydroionization® (PHI-CELL®) technology to substantially reduce airborne and surface bacteria, viruses, odors, mold and VOCs (chemical odors).

Photohydroionization® (PHI) is an active air treatment technology. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in occupied areas.

## AVID AIR® Air Purification System



ITEM#	ELECTRICAL	REPLACEMENT CELL	DIMENSIONS	SHIP WT.
BRU-16	120 VAC	PHIC-5GA-BRU	5.25"W x 2.75"D x 16"H	2 lbs.
BRU-25	220 VAC		133.4mm x 69.9mm x 406.4mm	0.9 kg.

<b>MATERIALS</b> Aluminum / Stainless steel	<b>PHI-CELL® REPLACEMENT</b> Recommended after 2 years	<b>COVERAGE</b> Up to 800 ft² (75 m²)	<b>FAN VOLUME</b> 9 CFM	<b>WARRANTY</b> 1 year
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Tested according to:  
UL 507:2017/R:2022-06  
CSA C22.2 No. 113:2018

Approved for sale in California

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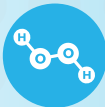
# The HALO-ROVE® Commercial Air Purification System

The HALO-ROVE® utilizes RGF's patented PHI-CELL® technology to substantially reduce airborne and surface bacteria, viruses, odors, and mold. Within minutes of operation, results show safe, clean air throughout the treated space.

The HALO-ROVE® is designed as a standalone, portable active air purifier capable of treating up to 1,000 square feet.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



CIRCULATION

## Ideal for use in:



CLASSROOMS



DAYCARES



CONFERENCE  
ROOMS



RESTAURANTS



BATHROOMS



BOATS



LOCKER  
ROOMS



OFFICES



**RGF**  
ENVIRONMENTAL GROUP, INC.

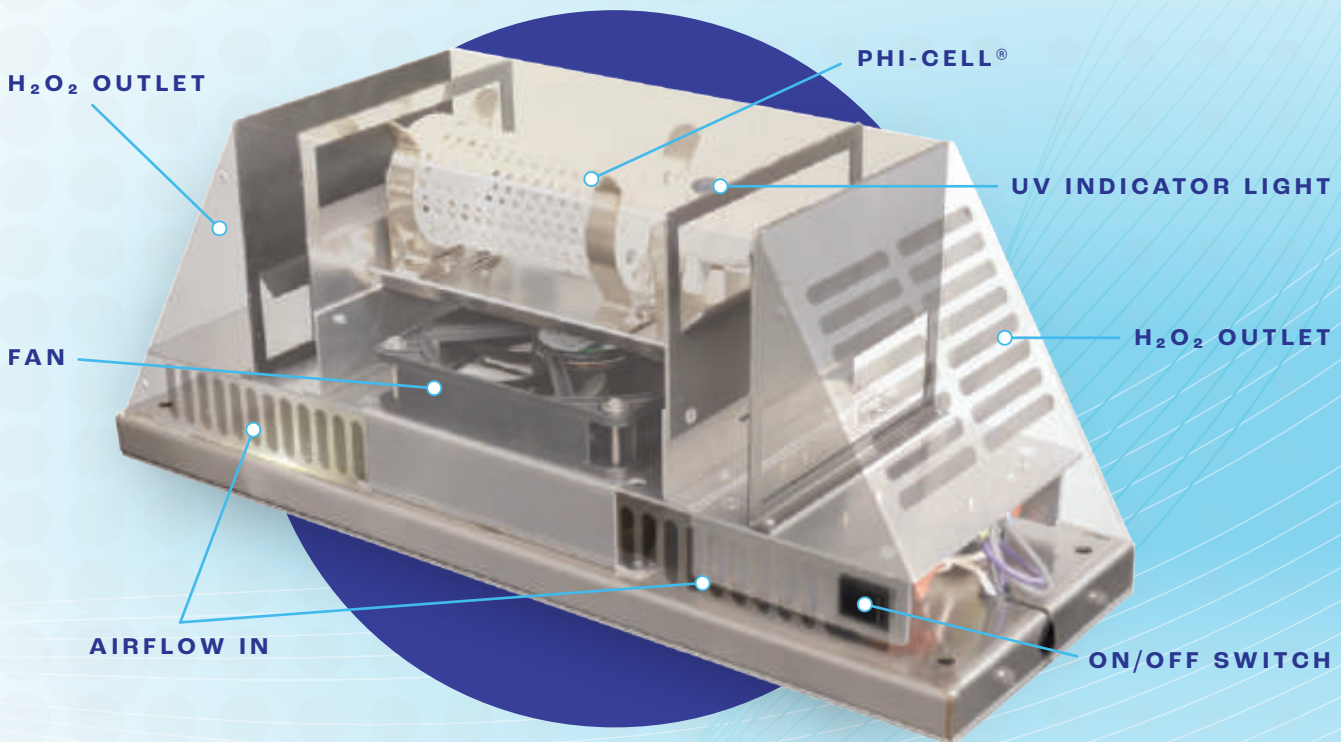
TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)

## Why Use RGF's PHI-CELL® Technology?

The HALO-ROVE® utilizes RGF's patented Photohydroionization® (PHI-CELL®) technology to substantially reduce airborne and surface bacteria, viruses, odors, mold and VOCs (chemical odors).

Photohydroionization® (PHI) is an active air treatment technology. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in occupied areas.

## HALO-ROVE® Commercial Air Purification System



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
HROVE-12	PHIC-CAPS-CMTR	12 VDC	13	18"W x 6.25"H x 6.25"D	5 lbs.
		100-240 VAC switching power supply		457.2mm x 158.8mm x 158.8mm	2.27 kg.

### MATERIALS

Stainless steel housing

### PHI-CELL® REPLACEMENT

Recommended after 2 years

### COVERAGE

Up to 1,000 ft<sup>2</sup> (93 m<sup>2</sup>)

### WARRANTY

1 year

### NOISE LEVEL

< 40 dB



Tested according to:  
UL 507:2017/R:2022-06  
CSA C22.2 No. 113:2018

Approved for sale in California



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# GUARDIAN ICE

By **RGF**®

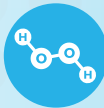
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## GUARDIAN ICE Ice Machine Treatment System

Guardian Ice is designed to treat commercial ice machines which are prone to microbial contamination. If not cleaned well and regularly they can spread harmful germs to customers, patrons and employees. Microbial growth in ice machines is a common problem causing biofilm or slime buildup. RGF's Guardian Ice is your ideal solution to continuously keep ice machine heads and bins clean, reducing the risk of microbial contamination.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



CIRCULATION



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ENVIRONMENTAL GROUP, INC.

TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)

## Why Use RGF's GUARDIAN ICE?

Adaptable to any ice machine, Guardian Ice utilizes RGF's patented PHI-CELL<sup>®</sup> technology to deliver gaseous hydrogen peroxide molecules to the ice machine head and bin, effectively destroying bacteria and odors at the source. Wall mounted alongside the ice machine and connected using the provided installation kit, this chemical free system is designed to operate continuously, providing 24/7/365 sanitation.

## GUARDIAN ICE Ice Machine Treatment System



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
IMS-B-GA	PHIC-9A	110VAC 50/60 Hz	14	18" H x 4" W x 4" D 457mm H x 102mm W x 102mm D	10 lbs. 4.5 kg.

### MATERIALS

Stainless steel housing

### PHI-CELL<sup>®</sup> REPLACEMENT

Recommended after 1 year

### WARRANTY

1 year on parts  
2 years on cell (U.S. only)



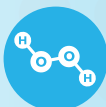
WE ARE RGF®

# The Rapid Recovery Unit® Air Purification and Odor Control System

RGF's Rapid Recovery Unit® (RRU) is the ideal decontamination solution to resolve microbial and odor issues of various types and can be used to rapidly and effectively treat many problem areas. Hotels, cruise ships, property management companies and HVAC contractors have taken a proactive approach in utilizing the RRU to disinfect and mitigate odors in areas of concern.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



CIRCULATION



TOOLLESS

## Ideal for use in:



HOMES



OFFICES



CONFERENCE  
ROOMS



RESTAURANTS



HOTELS



BOATS



LOCKER  
ROOMS



CLASSROOMS



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ENVIRONMENTAL GROUP, INC.

TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)



## Why Use RGF’s PHI-CELL® Technology?

Photohydroionization® (PHI) is an active air treatment technology. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in occupied areas.

## The Rapid Recovery Unit® Air Purification and Odor Control System

(DS option pictured below)



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
RRU-16	RRU16-CELL-KIT (2)	110 VAC	110	26"L x 13"W x 15"H 660.4mm x 330.2mm x 381mm (DS option: Hose 2"Dia. x 8'L)	12 lbs.
RRU-16-DS					5.44 kg.
(International)	RRU16-CELL-KIT (2)	220 VAC	105		(DS option: 14 lbs.
RRU-25					6.35 kg.)
RRU-25-DS					

**MATERIALS**  
Stainless steel

**FAN VOLUME**  
88 CFM (149.51 m³/h)

**CELL REPLACEMENT**  
Recommended after 2 years

**WARRANTY**  
2 year U.S. and Canada  
(1 year international)



By **RGF**®

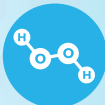
WE ARE RGF®

## BOS HOX Industrial Bacteria and Odor Abatement System

BOS HOX is an industrial grade bacteria and odor abatement system designed for compactors/dumpsters, lift stations, trash chutes, waste storage areas and anywhere serious odors are an issue. This versatile system has been installed at supermarkets, restaurants, bars, hotels, resorts, hospitals, assisted living facilities, food processing plants, recycle centers, and commercial laundries to name a few. BOS HOX is intended for outdoor use and uninhabited enclosed areas where odor and bacteria are an issue.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



CIRCULATION

### Ideal for use in:



HOSPITALS



RESTAURANTS



OFFICES



WASTE/RECYCLING  
FACILITIES



FOOD  
PROCESSING



HOTELS



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ENVIRONMENTAL GROUP, INC.

TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)

## Why Use RGF's PHI-CELL® Technology?

This high output industrial system utilizes RGF's patented PHI-CELL® technology to create and deliver high levels of airborne hydrogen peroxide that eliminate microbial pathogens and odors inside the treated space. The PHI-CELL® targets UV light on a proprietary catalyst to reliably and continually produce oxidizing hydrogen peroxide in a gas form. Unlike odor masking chemicals or perfumes that cover up malodors, the BOS HOX actively reduces offensive smells and airborne pathogens.

## BOX HOX Bacteria and Odor Abatement System



ITEM#	REPLACEMENT CELL	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
BOS-HOX-16	PHIC-14HOA	110VAC 50/60 Hz	190	25" L x 10" W x 18"H	47 lbs.
BOS-HOX-25	PHIC-14HOA	220VAC 50/60 Hz	190	635mm x 254mm x 457.2mm	21.3 kg.

### MATERIALS

Stainless steel housing

### PHI-CELL® REPLACEMENT

Recommended after 1 year

### CONTROLS

On/Off, High/Low, Hour meter

### WARRANTY

1 year



TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)





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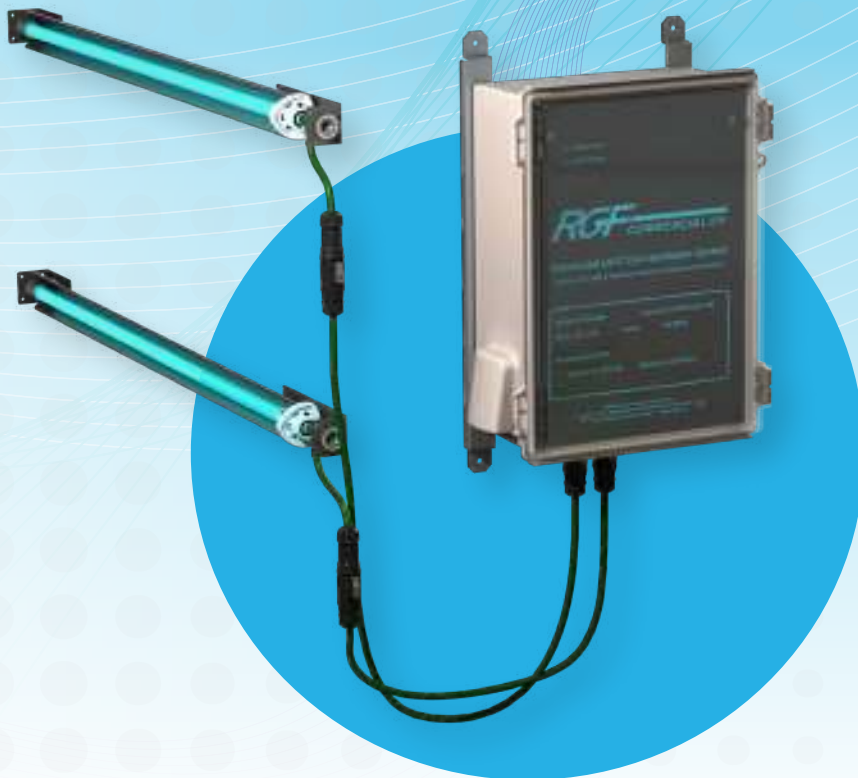
## The Lucidium CUV® HVAC Coil Maintenance

Installed on commercial and industrial HVAC coils to reduce microbial growth, Lucidium CUV® reduces HVAC maintenance and improves operational efficiency by as much as 30%. Lucidium CUV® is easily fitted to new or existing HVAC systems and when designed accordingly can substantially improve indoor air quality.

Lucidium CUV® systems are easily configured to fit any HVAC coil by incorporating a variety of germicidal UV-C lamp sizes in combination with easy-to-fit rack system and power supply.



UV-C LIGHT



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## Why Use RGF's Lucidium CUV®

RGF engineers will design a Lucidium CUV® system for your HVAC project using a variety of high output germicidal UV-C lamp lengths, with reflectors as standard, to ensure total coverage of the HVAC coil. Installation is simple using our flexible rack systems, NEMA 4X power supplies, multiple mounting options and reliable safety accessories.

RGF Environmental is the only manufacturer of germicidal UV-C lamp systems that performs in-house testing to ASHRAE 185.2 standard. The 185.2 Standard established a uniform test method for measuring the intensity of ultraviolet lamps under typical HVAC operating conditions.

Testing germicidal UV-C systems to ASHRAE 185.2 is important to ensure the performance of UV-C lamps and establish the validity of energy calculations or models commonly used throughout the air quality industry. Based on our testing, the energy output of a UV-C lamp can vary by over 50% from specifications depending on the installation location, temperature range, lamp design, airflow, and relative humidity, within an HVAC system.



### WARRANTY

1 year on the system, 2 years on the lamps

### LAMP REPLACEMENT

Recommended after 2 years



**For complete  
specs and  
submittals,  
please scan  
QR code.**



Tested according to:  
UL 1598:2021/R:2021-06  
CSA C22.2 No.250.0:2021/U1:2021-6  
Conforms to:  
UL 60335-2-40

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WE ARE RGF®

## LUCIDIUM® FUSION

### **Best-In-Class Continuous UV-C Air Treatment for Indoor Environments**

The Lucidium® Fusion incorporates over 130 years of UV science with modern materials creating the most effective, single pass, high flow pathogen reduction air purifier available. Lucidium® Fusion delivers the highest UV dose of any ceiling mounted unit available.

Third party testing demonstrates Lucidium® Fusion's ability to reduce MS2 bacteriophage by greater than 99.9% at an air flow rate of over 200 cubic feet per minute. Two Lucidium® Fusion models provide clean air delivery rates of 200 and 120 cubic feet per minute of disinfected air.



UV-C LIGHT



CFM



CIRCULATION



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## Exceptional UV Performance with Low Operating Cost

Lucidium® Fusion provides HEPA level microbial reductions using less than a quarter of the electricity of similarly sized HEPA air purifiers. Fusion also eliminates frequent prefilter replacements needed to ensure HEPA units maintain air flow.

## Quiet Operation

Lucidium® Fusion has been sound tested to <20 dB at 3 feet, making them a great option for all sensitive environments such as schools, hospitals, recovery centers, assisted living facilities, conference rooms and offices. In comparison most medical grade in-room HEPA systems are typically rated around 50 decibels. The current ANSI standard, and World Health Organization recommendation, for background noise in an unoccupied classroom is currently set at 35 decibels.

## Flexible Operation

Lucidium® Fusion delivers single pass inactivation of for most common pathogens and therefore can be sized the same as filter-based systems such as in-room HEPA. Unlike traditional upper-room UV systems, Lucidium® Fusion is fan powered to ensure the entire room is treated with a measured UV dose.

## Universal Installation

Lucidium® Fusion can be installed with any ceiling height 8 feet or over. Systems are designed with knockouts for quick installation directly to ceiling joists, or can be quickly installed into drop ceilings using the Drop Ceiling Installation kit.

## Maintenance

Lucidium® Fusion UV lamps offer 12,000 hours of reliable germ fighting energy. In typical commercial applications, Lucidium® Fusion UV lamps will operate for 2 to 4 years before requiring replacement. A swing down cover provides easy access for UV lamp replacements.



ITEM#	REPLACEMENT LAMP	ELECTRICAL	WATTS	DIMENSIONS	SHIP WT.
LFUS-120	EL-146/4T-S (qty 2)	120VAC 1.5A	17	48" x 28-1/2" x 11"	70 lbs.
LFUS-200	EL-146/4T-S (qty 2)	120VAC 1.5A	17	48" x 28-1/2" x 11"	70 lbs.

### MATERIALS

Anodized Aluminum, Aluminum and Galvanized Steel with Powdercoat

### REPLACEMENT LAMP HOURS

12,000 hours

### MICROBIAL REDUCED

Viruses, Bacteria, Mold and Odors

### CLEAN AIR DELIVERY RATE

120/200 CFM

### WARRANTY

1 year (U.S. only)



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By **RGF**®

WE ARE RGF®

# Microcon™ 600 Whole Home HEPA Air Purification System

Microcon™ 600 whole home HEPA advanced air filtration system is installed in your HVAC or air handling system to provide 99.97% airborne particulate reduction without impacting air flow, static pressure or unit sizing. This fan powered, by-pass HEPA system offers available space and power for the optional installation of RGF's REME HALO® or HALO LED™ to provide the ultimate indoor air quality solution. Microcon 600 removes dust, pet dander, pollen and allergens. With the optional addition of REME® Cell technology, Microcon™ 600 also reduces bacteria, viruses, odors and VOCs throughout the entire home.



PRE-FILTER



HEPA



ACTIVATED  
CARBON



CFM



CIRCULATION



WHOLE  
HOME



**RGF**®  
ENVIRONMENTAL GROUP, INC.

TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)

## Why Use RGF's Microcon™ 600?

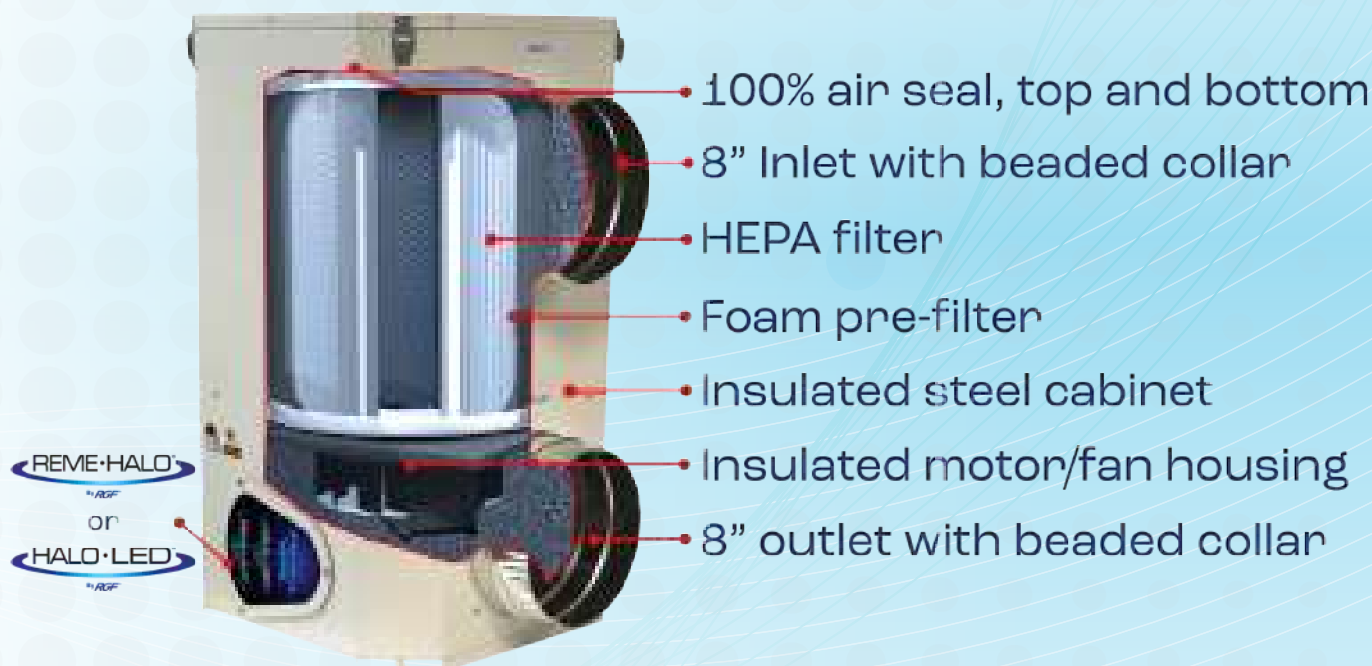
Microcon™ whole home HEPA (H13 rated) air filter systems can be installed into any existing commercial or residential HVAC system to provide 99.97% airborne particulate reduction without impacting air flow, static pressure or HVAC system sizing. Installation requires no costly electrical or mechanical alterations to the HVAC system and the unique design offers a knockout and power for optional installation of RGF's REME HALO® or HALO LED™ active air purification systems.\*

Microcon™ 600 offers two-stage filtration contained and protected in a durable steel box. In stage-one, a foam pre-filter captures large airborne particulate matter. The second stage HEPA (H13) filter traps more of the harmful and irritating ultrafine particulate like bacteria, pet dander, dust mites, pollen and smoke. When installed with the optional REME® Cell technology actively reduces airborne bacteria, viruses, mold, odor and VOCs throughout the entire air conditioned space.

The pre-filter and HEPA are easy to access and change. The pre-filter should be removed and washed every six (6) months and HEPA be replaced every two (2) years. Once locked into place, the durable powder coat finished filter housing is completely sealed.

\* Optional REME-HALO® (part# REME-H) and HALO-LED™ (part# REME-LED) devices are sold separately

## Microcon™ 600 Whole Home HEPA Air Filtration System



MODEL	COVERAGE*	AIRFLOW	HEPA	INTAKE/OUTFLOW	ELECTRICAL	SHIP WT.
MC-600-H	3,000 ft <sup>2</sup> 278.71 m <sup>2</sup>	600 cfm 1019.4 m <sup>3</sup> /h	H13	8"	120V/225W	46 lbs 20.87

\* Based on one air change per hour

### REPLACEMENT FILTER KIT

Part# FL-HEPA

(Includes: 1 x H13 HEPA Filter and 3x Pre-filter)

### DIMENSIONS

14.5"W x 27.5"H x 14.5"D

368.3mm x 698.5mm x 368.3mm

### MOTOR/FAN

Designed for continuous operation

Run tested for 50,000+ hours



Tested according to:  
UL 507:2017/R:2022-06  
CSA C22.2 No. 113:2018

Approved for sale in California



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# MICROCON™ CD

By **RGF**®

# MICROCON™ PD

By **RGF**®

WE ARE RGF®

## The Microcon™ CD/PD Indoor Air Purification System

The Microcon™ CD is a ceiling mounted, HEPA air filtration system with activated carbon and UV-C germicidal light specifically designed for the removal of airborne microbes, particulate, VOCs and odors in commercial spaces.

The Microcon™ PD offers the same high efficiency air filtration in a robust portable housing.



PRE-FILTER



HEPA



CFM



CARBON



UV-C LIGHT



CIRCULATION

Ideal for use in:



CLASSROOMS



LOCKER ROOMS



RESTAURANTS



OFFICES



MICROCON™ CD

MICROCON™ PD



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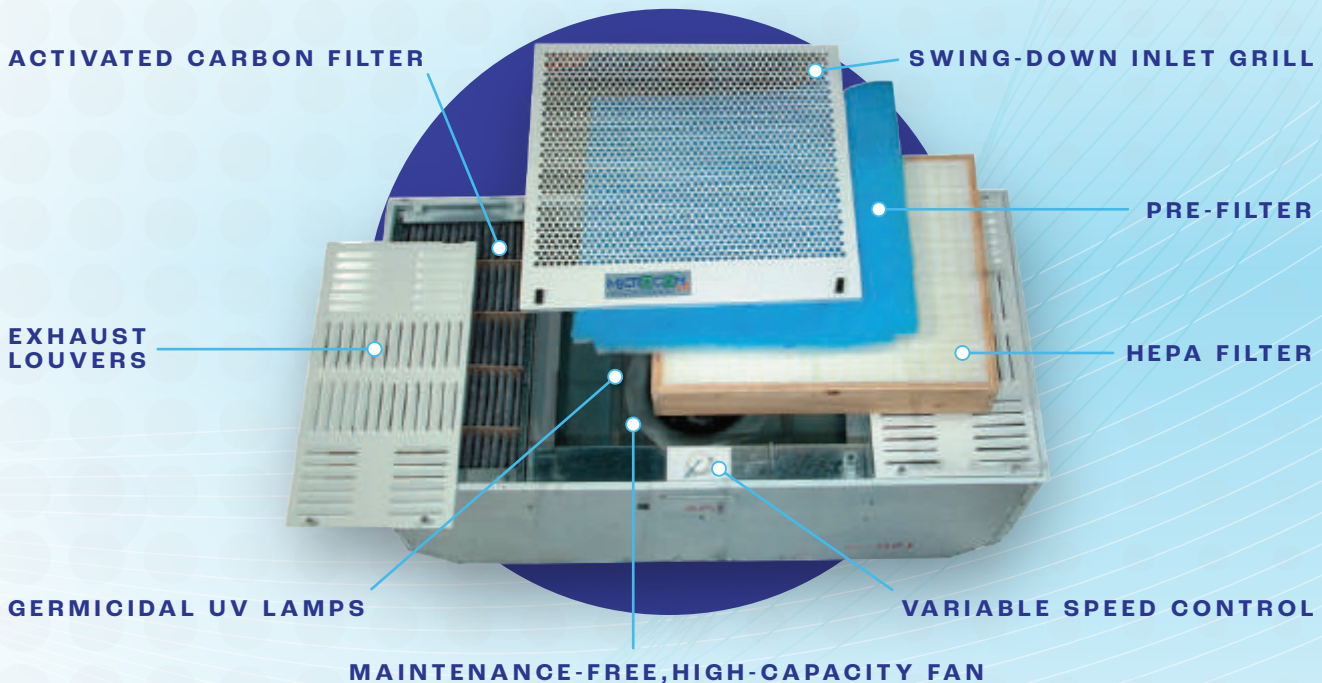
## Why Use RGF's Microcon™ CD/PD Technology?

The Microcon™ CD & PD units combine proven HEPA filtration with UV-C germicidal light and activated carbon to remove airborne bacteria, viruses, mold, VOCs and particulate like dust and allergens from the treated space. Either installed in the ceiling space or on wheels, the Microcon™ CD/PD quietly circulates and purifies the air providing a safer, cleaner occupied space.

The Microcon™ CD and PD share the same three stage progressive filter system. The first stage is a 1" synthetic pre-filter designed to capture larger size airborne particulate thereby extending the life of the HEPA filter. The secondary filter is a hospital-grade, high efficiency HEPA filter capable of removing >99% of airborne particulate in the sub-micron range. Since removal of gas phase pollutants require a different capture mechanism, a unique activated carbon composite cell is utilized as the last stage which allows for higher adsorbent loading at a lower pressure drop than comparable activated carbon cells. The germicidal UV-C lamps add another dimension to air purification.

The Microcon™ CD and PD units help meet regulatory guidelines in commercial spaces for improved air circulation, HEPA air filtration and ultraviolet germicidal irradiation (UVGI), all in a single, easy to install air cleaning device.

## Microcon™ CD/PD Total Indoor Air Purification System



MODEL	COLOR	FILTRATION RATE	DIMENSIONS	SHIP WT.
CD	White	Up to 800 cfm 1359.21 m <sup>3</sup> /h	46.625"W x 23.625"H x 18.5"D 1184.28mm x 600.08mm x 469.90mm	125 lbs. 56.70 kg.
PD	Gray	Up to 800 cfm 1359.21 m <sup>3</sup> /h	24"W x 50.75"H x 19.25"D 609.6mm x 1289.05mm x 488.95mm	175 lbs. 79.38 kg.

### MATERIALS

Powder Coat Steel

### AMPS

2.4/1.05

### WATTS

240

### SOUND LEVEL

50 – 55 dB on Medium Fan at 6'

### VOLTAGE

120/240 VAC @ 50/60 Hz, Single Phase



Conforms to  
UL STD 507  
Certified to  
CSA STD C22.2 NO.113

Approved for sale in California



TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)



WE ARE RGF®

## The MICROCON™ MAP Air Filtration System

The MICROCON™ MAP is an FDA (510k) compliant high capacity mobile HEPA air scrubber specifically designed to remove hazardous airborne microbial particulate in hospital and healthcare environments. Greatly improve breathing zone air quality within a patient room or facility using HEPA filtration and our unique CIRCUMFLOW air distribution pattern.



PRE-FILTER



HEPA



CFM



CARBON



UV-C LIGHT



CIRCULATION

MICROCON™ MAP 400



MICROCON™ MAP 800



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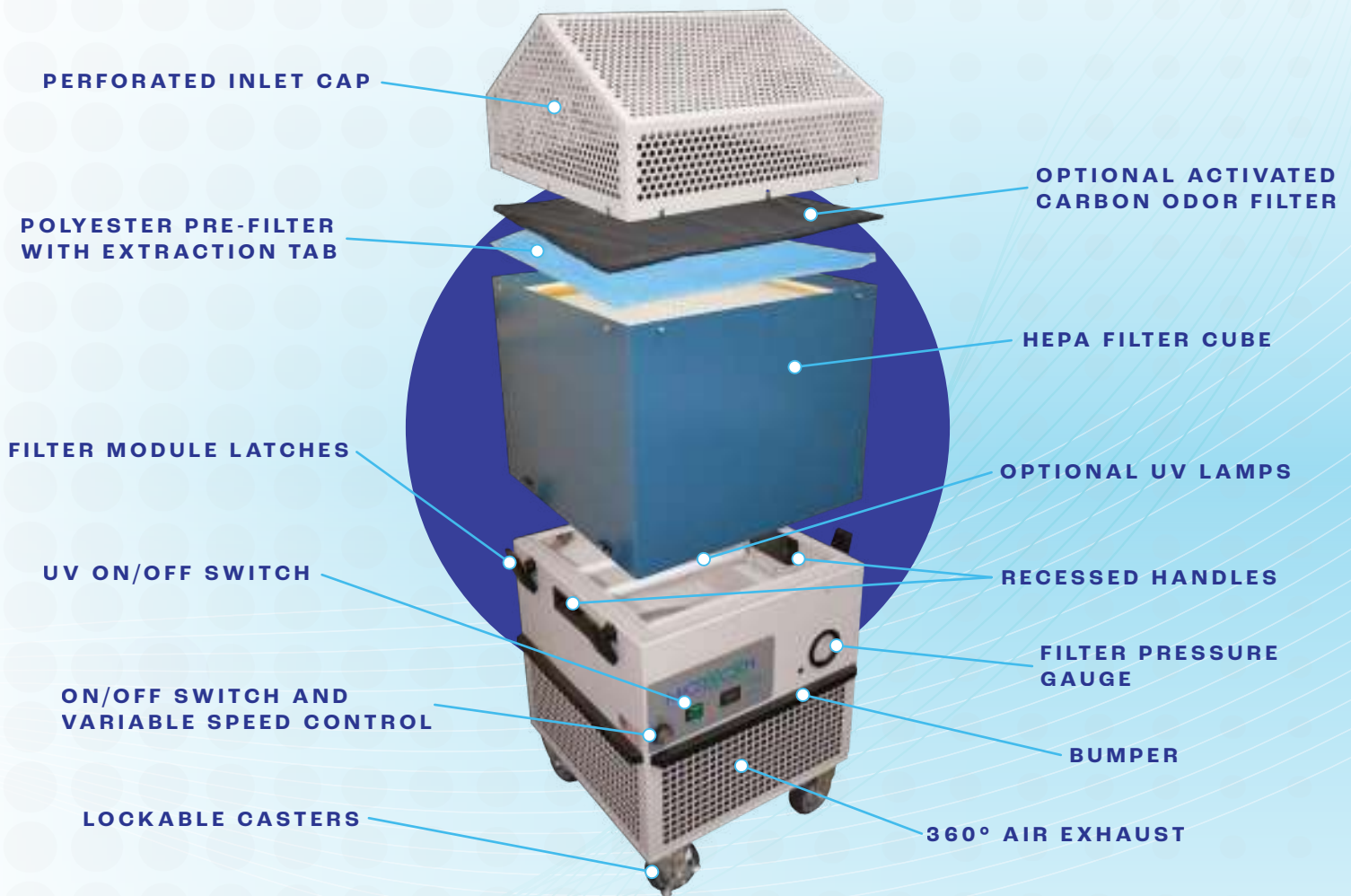


## Why Use RGF's MICROCON™ MAP?

The MICROCON™ MAP intakes air from the top of the unit in a 360 degree direction from within the “breathing zone”. This zone measures anywhere from 3 ft. to 7 ft. from floor level. Eliminating sub-micron size infectious airborne particles from this zone reduces airborne microbial migration and the risk of inhalation. MICROCON™ MAP includes pre-filter and medical grade HEPA filter as standard, with UV-C germicidal light and activated carbon as options for additional air treatment.

Available in two models, the MICROCON™ MAP400 and MAP800 both meet CDC guidelines for airborne infectious pathogen control in healthcare facilities. The addition of a ‘vent block-out kit’ allows for CDC compliant creation of negative or positive pressure isolation rooms in compliance with CDC guidelines.

## MICROCON™ MAP Indoor Air Filtration System



MODEL	FILTRATION RATE	DIMENSIONS	SHIP WT.
MAP400	200 to 400 cfm 339.8 to 679.6 m³/h	12.375"W x 39"H x 12.375"D 314.33mm x 990.6mm x 314.33mm	45 lbs. 20.41 kg.
MAP800	400 to 800 cfm 679.6 to 1359.2 m³/h	18.25"W x 45"H x 18.25"D 463.55mm x 1143mm x 463.55mm	86 lbs. 39 kg.

### MATERIALS

Powder Coat Steel

### WATTS

500

### SOUND LEVEL

40-60 dB (based on ambient testing)

### VOLTAGE

120/230 VAC @ 50/60 Hz, Single Phase



Conforms to  
UL STD 507  
Certified to  
CSA STD C22.2 NO.113

FDA 510(k) Compliant  
Approved for sale in California



TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)



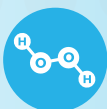
WE ARE RGF

## The Element Air Tower Air Purification System

As air passes through a REME/PHI oxidation chamber, high-intensity UV light rays are targeted on a quad-metallic compound, destroying airborne microbes. No chemical residue or dangerous compounds are emitted from the system. The system can reduce levels of airborne microbes and odors by up to 99%. Airborne contaminants in the form of bacteria, mold, and yeast continue to be one of the least addressed issues in most facilities. The unit was designed for grow house applications and does not emit any visible light, allowing the unit to run 24/7.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



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ENVIRONMENTAL GROUP, INC.

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## Element Air Tower Air Purification System



Free standing and wall mount available

ITEM#	TREATMENT AREA	ELECTRICAL	DIMENSIONS	SHIP WT.
EA-T-WM-G2	12,000 ft <sup>3</sup>	110 VAC 50/60Hz 2.36 Amps 255 Watts	18"W x 20"D x 78"H 457.2 mm x 508 mm x 1981.2 mm	70 lbs 31.75 kg

### MATERIALS

Anodized Aluminum

### AIRFLOW

700 cfm (1189.31 m<sup>3</sup>/h)

### REPLACEMENT CELLS

EAT-RC-KIT (4)

### WARRANTY

1 year



CAN/CSA C22.2 No. 60335-1:2016  
CAN/CSA C22.2 No. 250.0:2008  
UL 1598:2008-09  
EN 60335-2-65:2003/A11:2012  
EN 60335-1:2012/A13:2017

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# ELEMENT AIR WALL MOUNT

By **RGF**



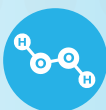
WE ARE RGF

## The Element Air Wall Mount Air Purification System

As air passes through a REME/PHI oxidation chamber, high-intensity UV light rays are targeted on a quad-metallic compound, destroying airborne microbes. No chemical residue or dangerous compounds are emitted from the system. The system can reduce levels of airborne microbes and odors by up to 99%. Airborne contaminants in the form of bacteria, mold, and yeast continue to be one of the least addressed issues in most facilities. The unit was designed for grow house applications and does not emit any visible light, allowing the unit to run 24/7.



UV-C LIGHT



H<sub>2</sub>O<sub>2</sub>



CFM



**RGF**  
ENVIRONMENTAL GROUP, INC.

TO LEARN MORE, VISIT: [RGF.COM](http://RGF.COM)

# Element Air Wall Mount Air Purification System



ITEM#	TREATMENT AREA	ELECTRICAL	DIMENSIONS	SHIP WT.
EA-D9-WM	2,400 ft³	12 VDC 100-240 VAC switching power supply 0.64 Amps 37 Watts	6.5"W x 6.5"D x 29"H 165.1 mm x 165.1 mm x 736.6 mm	10 lbs 4.5 kg

**MATERIALS**

Anodized Aluminum

**AIRFLOW**

138 cfm (234.46 m³/h)

**REPLACEMENT CELLS**

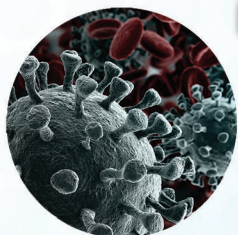
EAWM-9-RC-KIT (2)

**WARRANTY**

1 year



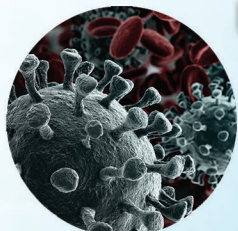
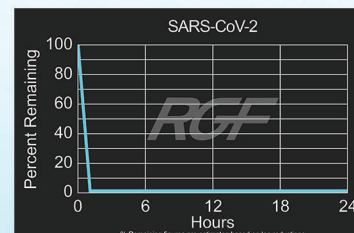
## RGF<sup>®</sup> INDEPENDENT TEST RESULTS



### SARS-CoV-2 (COVID-19) REME HALO<sup>®</sup>

SARS-CoV-2 is an airborne virus that caused the global COVID-19 pandemic. The REME HALO<sup>®</sup> was tested at an independent laboratory\* for inactivation of SARS-CoV-2 (USA\_WA1/2020). The study was conducted in a large chamber (8'x8'x20') on the airborne virus using an air sampling method resulting in a >99% reduction.

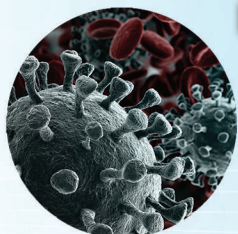
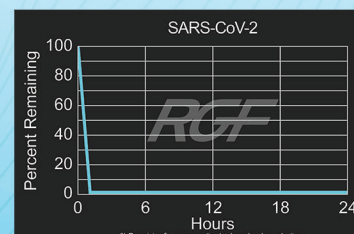
\*Tested by Innovative Bioanalysis



### SARS-CoV-2 (COVID-19) PHI-CELL<sup>®</sup>

SARS-CoV-2 is an airborne virus that caused the global COVID-19 pandemic. RGF's PHI-PKG<sup>™</sup> (PHI-CELL<sup>®</sup>) was tested at an independent laboratory\* for inactivation of SARS-CoV-2 (USA\_WA1/2020). The study was conducted in a large chamber (8'x8'x20') on the airborne virus using an air sampling method resulting in a >99% reduction.

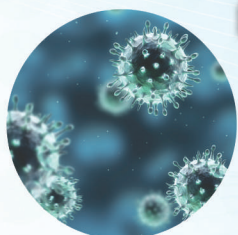
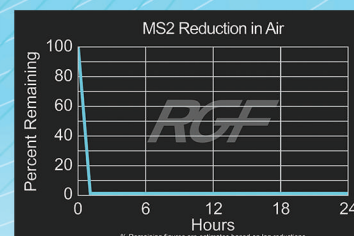
\*Tested by Innovative Bioanalysis



### MS2 bacteriophage (COVID-19 surrogate)

MS2 bacteriophage is a non-enveloped RNA virus that is the preferred surrogate for SARS CoV-2, the virus that causes COVID-19. RGF's HALO-LED<sup>™</sup> was tested at an independent laboratory\* on MS2 in a large chamber (1,000 cu. ft.) using an air sampling method, resulting in >99% reduction.

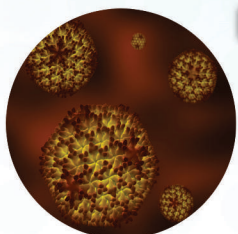
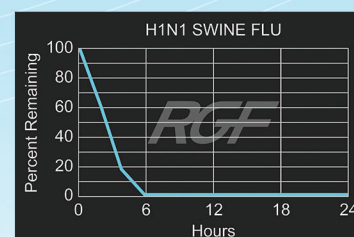
\*Tested by: Intertek



### H1N1 (Swine Flu)

H1N1 or Swine Flu was first detected in the United States in April 2009. Testing was conducted at an independent laboratory\* on RGF's Photohydroionization<sup>®</sup> (PHI-CELL<sup>®</sup>) technology resulting in >99% inactivation of the H1N1 virus.

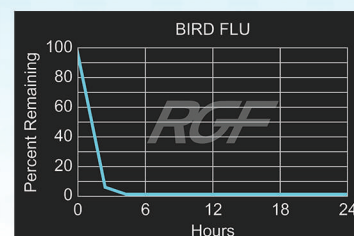
\*Tested by: Kansas State University



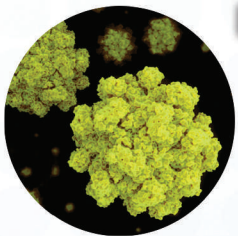
### H5N1 (Avian Influenza)

Avian influenza or Bird Flu is an infection caused by avian influenza viruses, occurring naturally among birds. RGF's PHI-CELL<sup>®</sup> was tested at an independent laboratory\* on H5N8 as an accepted surrogate for H5N1 resulting in >99% reduction.

\*Tested by: Kansas State University



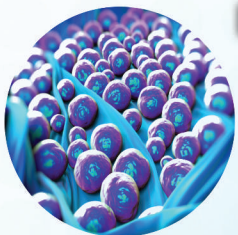
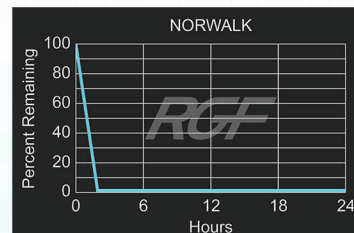




### Murine Norovirus (Norwalk surrogate)

Noroviruses are a group of related, single-stranded RNA, non-enveloped viruses that cause acute gastroenteritis in humans. Noroviruses are highly contagious and as few as ten viral particles may be sufficient to infect an individual. 50% of all food-borne outbreaks of gastroenteritis can be attributed to noroviruses. RGF's PHI-CELL® was tested at an independent laboratory\* on Norovirus (Murine norovirus) resulting in >99% reduction.

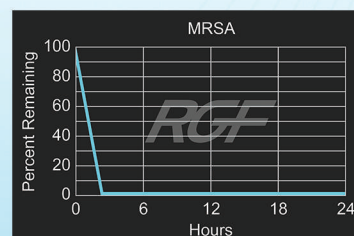
\*Tested by: US Centers for Disease Control (CDC)



### MRSA (Methicillin-resistant Staphylococcus aureus)

MRSA (Methicillin-resistant Staphylococcus aureus) is a type of bacteria that is resistant to certain types of antibiotics. RGF's REME-HALO® was tested at an independent laboratory\* on MRSA resulting in >99% reduction.

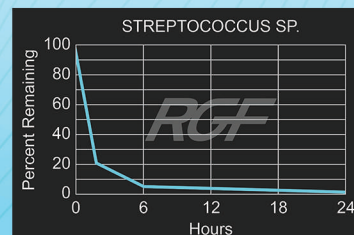
\*Tested by: Kansas State University



### Streptococcus sp. (strep)

Group A Streptococcal (strep) infections are caused by Group A Streptococcus, a bacterium responsible for a variety of health problems. RGF's PHI-CELL® was tested at an independent laboratory\* on Streptococcus sp. resulting in >97.7% reduction.

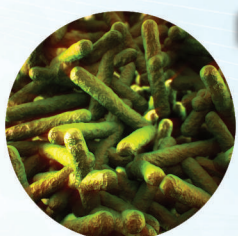
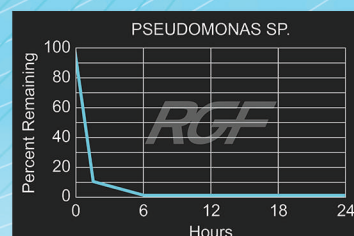
\*Tested by: Kansas State University



### Pseudomonas aeruginosa

Pseudomonas aeruginosa is a common bacteria known to cause disease in humans and is a species of bacterium found in hospital and healthcare settings. RGF's PHI-CELL® was tested at an independent laboratory\* on Pseudomonas aeruginosa resulting in 99% reduction.

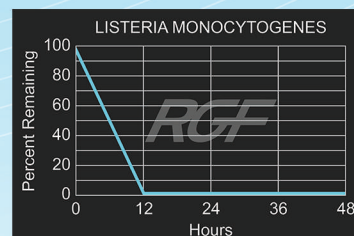
\*Tested by: Kansas State University



### Listeria monocytogenes

Listeria monocytogenes is a serious infection usually caused by eating food contaminated with the bacterium. The infection is most likely to sicken those with weakened immune systems. RGF's PHI-CELL® and REME-HALO® were tested at an independent laboratory\* on Listeria monocytogenes resulting in >99% reduction.

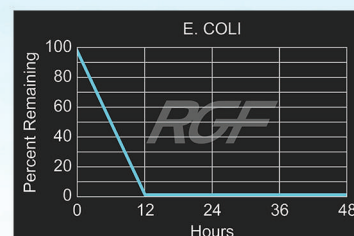
\*Tested by: Kansas State University



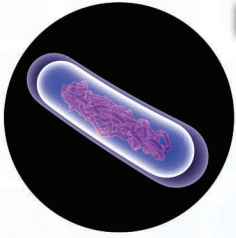
### Escherichia coli (E.coli)

E.coli bacterium can cause serious severe food poisoning in humans, and is occasionally responsible for food contamination incidents. RGF's PHI-CELL® and REME-HALO® were tested at an independent laboratory\* on E.coli resulting in 98% and 99% reduction respectively.

\*Tested by: Kansas State University



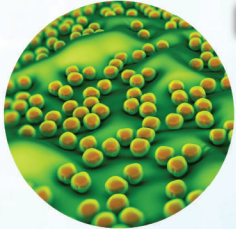
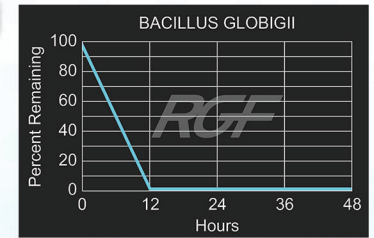




### Bacillus Globigii (anthrax surrogate)

B. globigii is used as a surrogate for the pathogen B. anthracis (anthrax). B. anthracis is a bacteria that causes anthrax. People can get infected with anthrax when spores are inhaled into the body causing severe illness. RGF's REME-HALO® was tested at an independent laboratory\* on B. globigii resulting in >99% reduction.

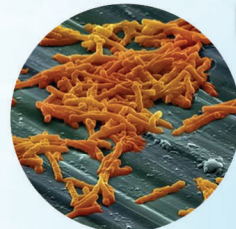
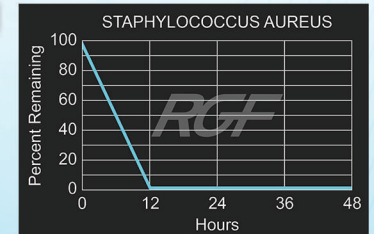
\*Tested by: Kansas State University



### Staphylococcus Aureus (staph)

Often referred to as 'staph' it is a common bacterium sometimes found on the skin and in the nose of people. Most of the time staph does not cause any harm, however, in some healthcare settings these infections can be serious or fatal. RGF's PHI-CELL® and REME-HALO® were tested at an independent laboratory\* on Staphylococcus Aureus resulting in >99% reduction.

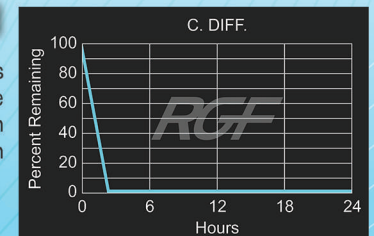
\*Tested by: Kansas State University



### Clostridium difficile (C. diff)

C. diff is a bacterium that causes illness in humans and is estimated to cause almost half a million infections in the United States each year. RGF's PHI-CELL® was tested at an independent laboratory\* on Clostridium difficile resulting in >99% reduction.

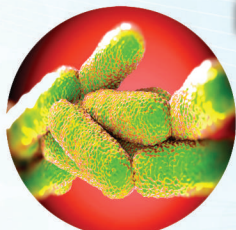
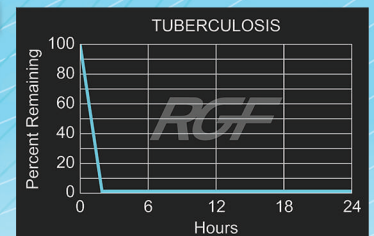
\*Tested by: FSI Kansas State University



### Mycobacterium tuberculosis

Mycobacterium tuberculosis is a bacterium that causes Tuberculosis (TB). It is spread from person to person through the air and typically attacks the lungs. Not everyone that is infected becomes sick, but the disease can be fatal. RGF's REME-HALO® was tested at an independent laboratory\* on Mycobacterium tuberculosis resulting in >99.99% reduction.

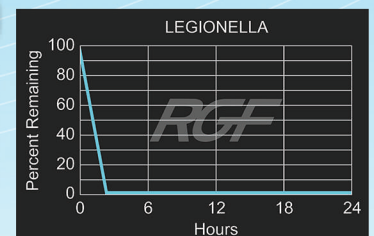
\*Tested by: FSI Kansas State University



### Legionella (Legionnaires Disease)

Legionnaires disease is a serious type of pneumonia caused by Legionella bacteria. People can get sick when they breathe in small droplets of water containing Legionella that sometimes grows in air conditioning equipment. RGF's Pan Saver® was tested at an independent laboratory\* on Legionella pneumophila resulting in >99.9% reduction.

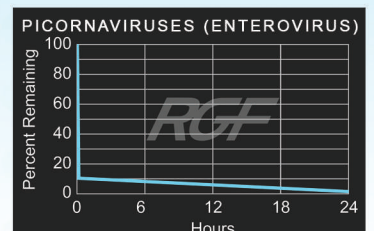
\*Tested by: FSI Kansas State University



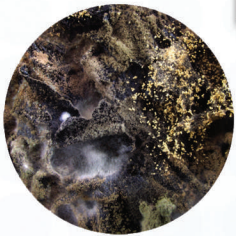
### Picornaviruses (Enterovirus)

The viral family of Picornaviridae includes Hepatitis A (HAV) and is known to be resistant to physical and chemical means of inactivation. HAV is very contagious and spreads through ingestion of the virus. RGF's PHI-CELL® was tested at an independent laboratory\* on a closely related enterovirus resulting in >99.9% reduction.

\*Tested by: Kansas State University





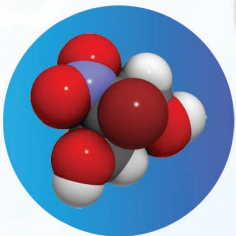
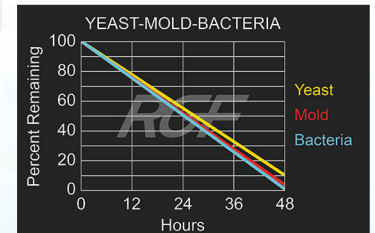


### Mold/Yeast

The purpose of this test was to evaluate the effect the RGF AOT unit has on mold/yeast bacteria (TPC). This test was performed utilizing a standard 2,000 sq. ft. home and 3,000 sq. ft. simulated home.

Tested by: California Microbiology Center

**Bacteria 99%    Mold 97-98%    Yeast 90+%**

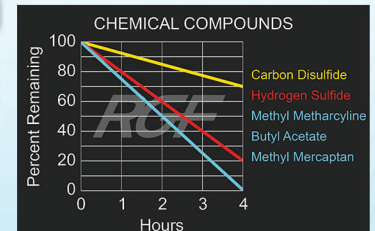


### Chemical Compounds

Gas Chromatograph/Mass Spectrometer test performed by Nelap Accredited Lab on airborne chemical compound reduction using RGF's Advanced Oxidation technology.

Hydrogen Sulfide	- Rotten eggs	Butyl Acetate	- Sweet banana
Methyl mercaptan	- Rotten cabbage	Methyl Methacryline	- Plastic
Carbon Disulfide	- Vegetable sulfide		

**Methyl Methacryline / Butyl Acetate / Methyl Mercaptan 100%**  
**Hydrogen Sulfide 80%    Carbon Disulfide 30%**

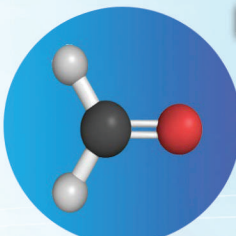
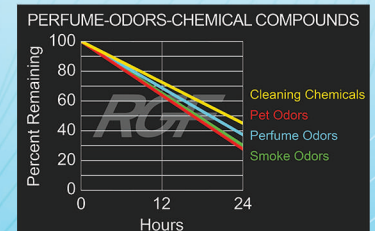


### Odors

The purpose of this test was to evaluate to what effect the RGF's AOT unit has on cleaning chemicals, pet odors, smoke and perfume odors. This test was performed utilizing two 500 cubic foot test chambers and a ten-person odor panel. The qualitative assessments of the ten-person odor panel were then used as a means to determine the odor reduction.

Tested by: C&W Engineering (Independent PE Firm)

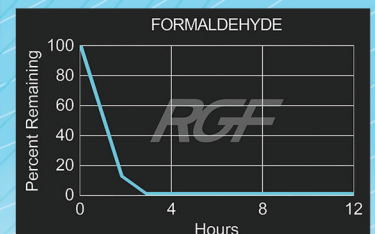
**Pet Odors 72%    Smoke Odors 70%    Perfume Odors 63+%    Cleaning Chemicals 55+%**



### Formaldehyde

Formaldehyde is a type of volatile organic chemical introduced indoors by building materials such as particleboard, plywood and pressed wood products. RGF's REME HALO® and HALO LED™ were tested at independent laboratories on Formaldehyde resulting in 97.7% and 89% reduction, respectively.

\*Tested by: Kansas State University and Intertek



Photohydroionization® (PHI) is an active air treatment technology used in residential and commercial applications. Active air treatment is the process of reducing air and surface contaminants by recreating natural levels of airborne hydrogen peroxide in our living and working spaces.

RGF's patented PHI-CELL® technology uses a photocatalytic process to create active air purification. The combination of UV-C light and a hydrated quad-metallic catalyst drives a natural reaction that produces low level, airborne hydrogen peroxide. RGF's PHI-CELL® air treatment systems are operating effectively in over four million installations globally.



# YOU NEED IT, WE CAN BUILD IT

## Precision Metal fabrication capabilities at RGF

At RGF Environmental Group, we provide top-tier metal fabrication services tailored to your industry's needs. Based in Florida, our advanced facility and skilled team ensure durable, high-quality results for every project. What can we fabricate for you next?



## OUR CAPABILITIES

### Custom Fabrication

From short runs to full-scale production, we offer custom fabrication for your exact needs across both small-batch and high-volume orders.

### Advanced Manufacturing Technology

Our modern machinery and tooling ensure precise delivery of complex designs with confidence, from cutting and bending to welding and assembly, our process is consistent and reliable.



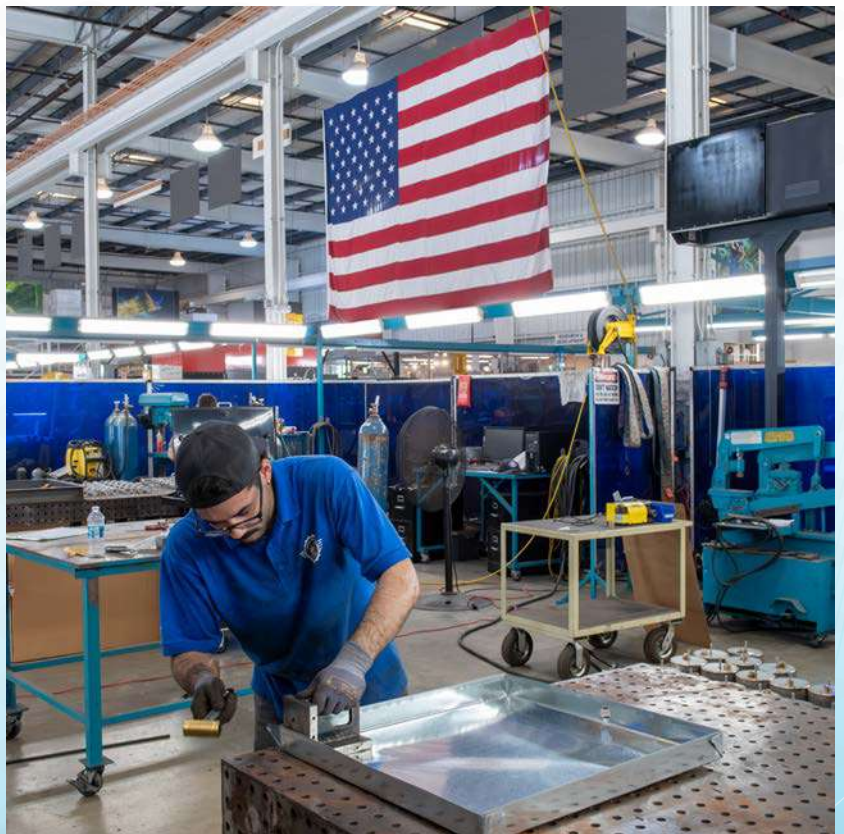


### **Powder coating and finishing**

Enhance your metal parts with durable, high-quality powder coating. For corrosion resistance, UV protection, or superior aesthetics, RGF delivers a smooth, long-lasting finish.

### **On-Time Delivery**

We combine efficient workflow and project management with American manufacturing values that ensure timely completion and superior quality.



## **WHY RGF**



### **Experienced Team**

RGF's skilled fabricators, engineers, and quality control specialists leverage years of experience across a wide range of metal material to ensure your components are made to perfection.

### **Quality Assurance**

Quality is central to our work. Our ISO 9001:2015 certified system ensures every product meets rigorous internal and industry standards.

### **Customer-Centric Approach**

We know every project is unique, so we work closely with clients to understand their needs and deliver customized solutions that exceed expectations.



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# WE'RE PLEDGING OUR ALLEGIANCE



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